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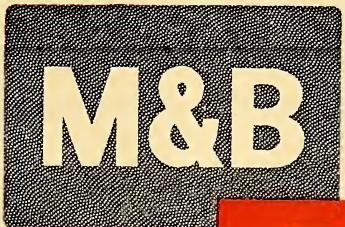
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MAY 10, 1947

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Meet



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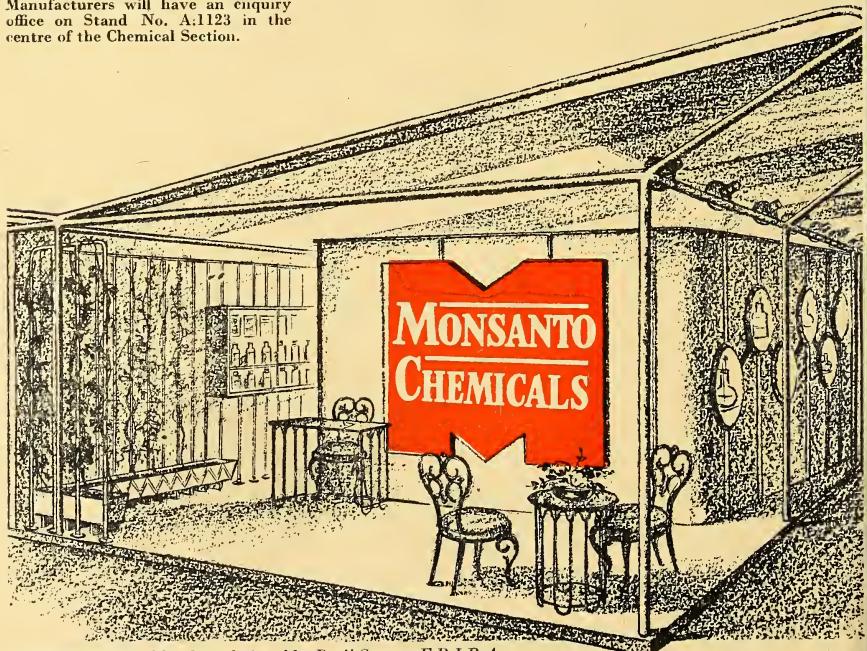
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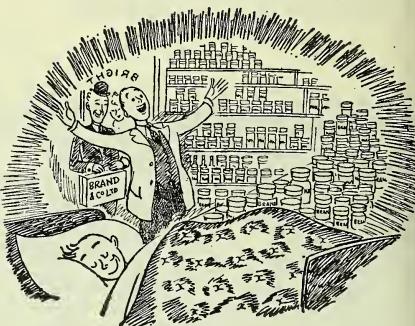
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stands

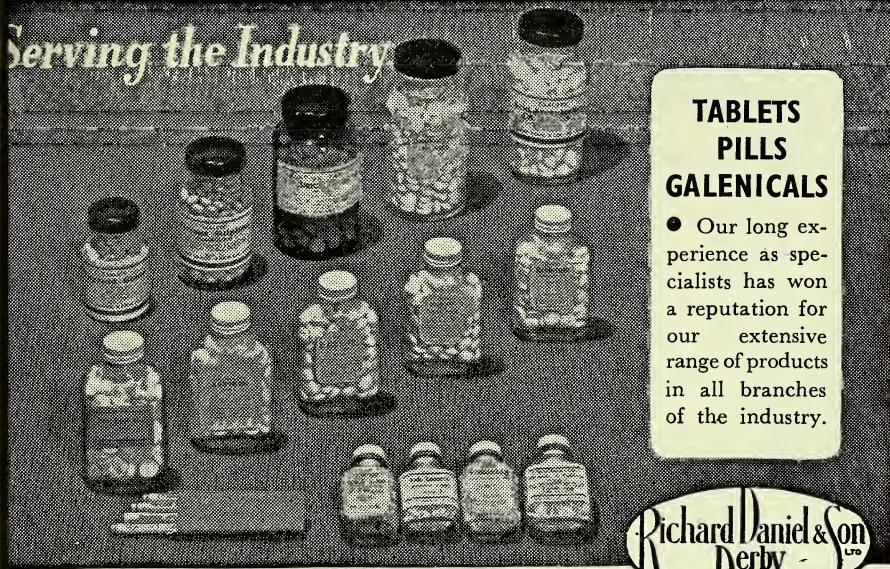
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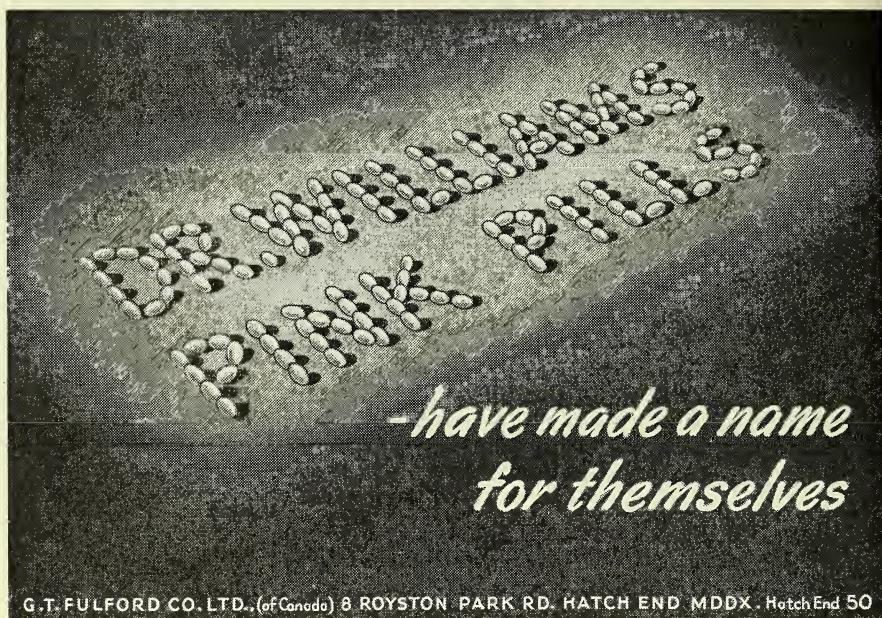
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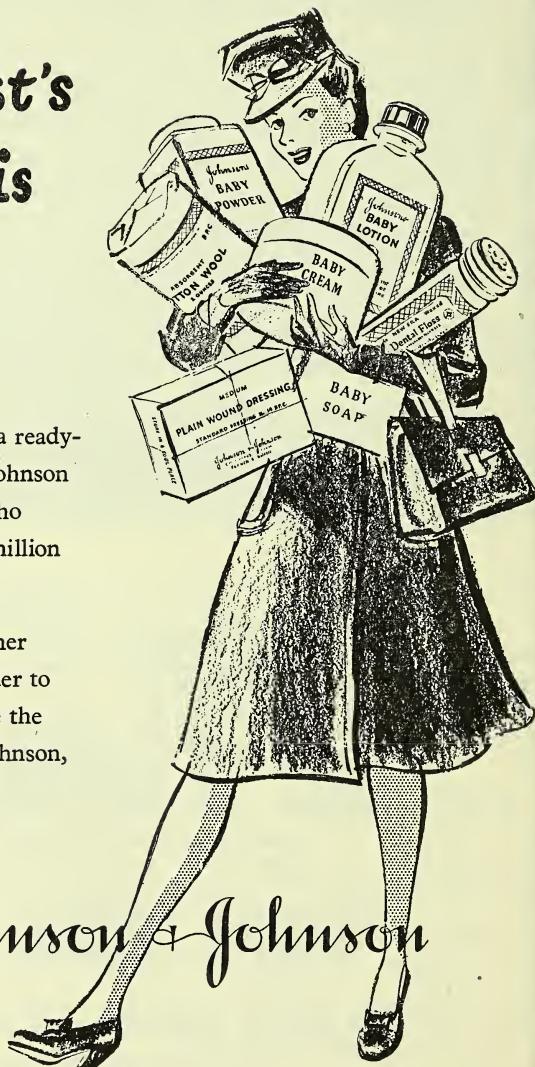
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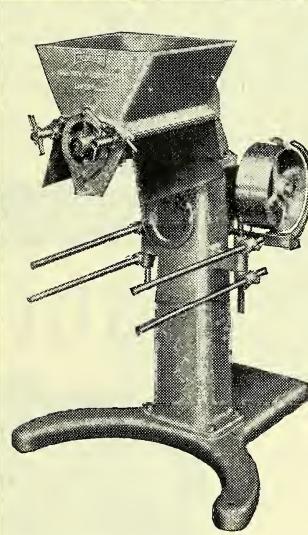
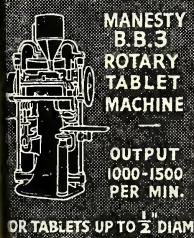
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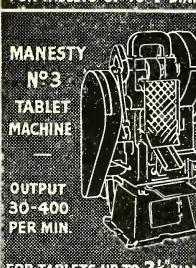
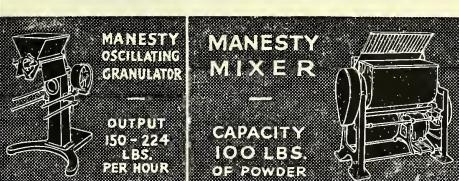
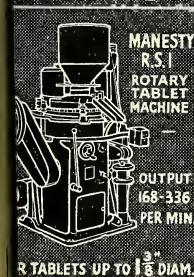
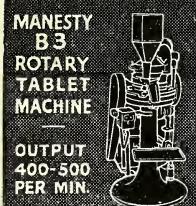
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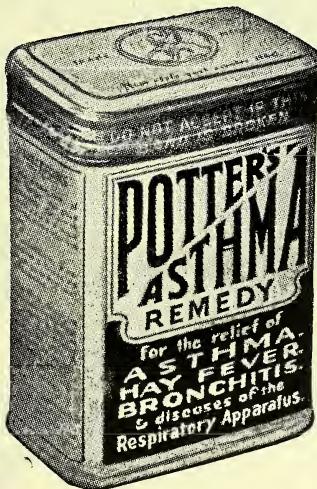
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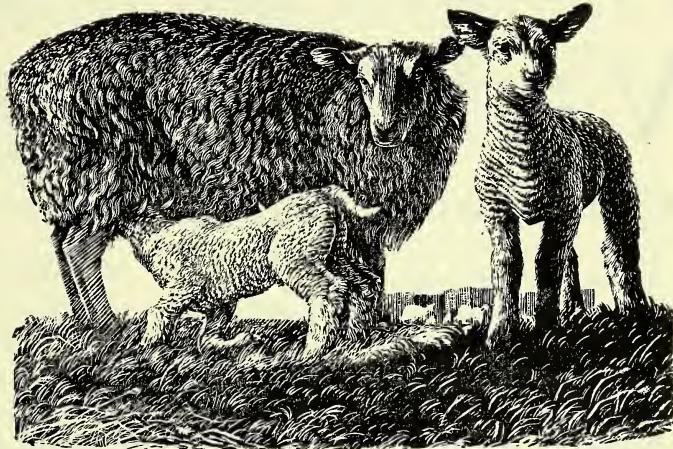
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NEWS OF THE WEEK

Purchase Tax Rebate.—The National Chamber of Trade is seeking to table a suitable amendment or new clause to the Finance Bill to provide for the rebate of tax to retailers when remissions are introduced.

Withdrawal of D.D. Authorities.—The Home Secretary has withdrawn from Halina Sulinska, M.B., Ch.B., 113 Eton Hall, Eton College Road, London, N.W.3, her authorities granted by the regulations made under the Dangerous Drugs Acts.

Atomic Train Exhibition.—A train exhibition explaining the principles of atomic energy and of its industrial applications is being organised by the Atomic Scientists' Association in co-operation with the Ministry of Supply. The train, which will start its journey round Britain later this year, will visit fifty-five towns.

Union on Closing Hours.—The executive council of the Union of Shop, Distributive and Allied Workers in a recently issued declaration on the interim report of the Gowers Committee on shop closing hours, is supporting a general closing hour

of 6 p.m. (as against 7 p.m. recommended by the Committee), with a late night of 7 p.m. In particular localities, however, later closing hours might be necessary.

Open Licence to Import Herbs.—The Board of Trade announce that, with effect from April 30, they have granted an open general import licence for certain herbs, dried in bulk, including basil, bay leaves, marjoram, parsley, pennyroyal, rosemary leaves, savory leaves, tarragon and thyme. Tamarinds in syrup, in casks, have also been granted an open general licence. Separate licences to import these goods will no longer be required.

Chemical Traders' Annual Meeting.—The twenty-fourth annual meeting of members of the British Chemical and Dyestuffs Traders' Association was held on Thursday, May 1, at the Savoy Hotel, London, W.C.2. The following officers were elected for 1947-48:—President, Mr. Victor Blagden; Chairman, Mr. A. Nash; Treasurer, Mr. C. H. Wilson; Members of the Executive, Messrs. C. M. Bell, C. C. Hallett, J. D. Orr, J. F. A. Segner, C. N. Stafford and D. F. Waugh.

British Uranium Production.—A Ministry of Supply factory at Springfields, Preston, Lancs, is to undertake the refining of pitchblende concentrates, reduction to uranium metal, and machining and finishing the uranium rods, for use elsewhere in a chain-reacting pile. Young people are to receive a three-months' training in methods to be used at the factory. In addition, over 100 research and analytical chemists are to be recruited for the more highly skilled work. The work requires standards of accuracy considerably in excess of those of normal industrial practice.

Chemical Employers' Dinner.—Among those present at the annual dinner of the Association of Chemical and Allied Employers, held recently in London, were Mr. Kenneth H. Wilson (chairman), Dr. W. H. Garrett (vice-chairman), Sir John Forbes Watson (director, British Employers' Confederation), Sir Frederick Bain (deputy chairman, Imperial Chemical Industries, Ltd.) and Mr. L. P. O'Brien (chairman, Association of British Chemical Manufacturers). Mr. Wilson said the Association which when it was founded in 1917 had represented only forty firms, now represented 250 firms with 70,000 employees.

Precautions Against Influenza Pandemic.—The World Health Organisation has established a special committee to organise urgent anti-influenza measures, against a possible pandemic similar to that which occurred in 1918. That such an outbreak may be imminent has been suggested by Dr. C. Van den Berg (Director General of Public Health to the Dutch Government) who, at a recent meeting of the Organisation in Geneva, pointed out that influenza pandemics were liable to recur in cycles of from twenty-five to thirty years, and that the danger was made more acute by conditions caused by a prolonged war.

British Council Activities.—The report of the British Council, 1945-46, has been issued as a 178-p. octavo booklet. It provides a complete and well-illustrated survey of the scope of the Council's activities in Britain, the Dominions and foreign countries. British achievements in science are reflected in the inclusion, in the lectures arranged by the council, of no less than three on "Penicillin" (by Sir Howard Florey, Dr. L. P. Garrod, and Sir Robert Robinson) given in Scandinavia, France and Belgium, and in the issue by the Council of a publication "Monthly Science News," as well as of a duplicated "Science Comment" containing reviews and abstracts.

LOCAL NEWS

Students Visit Speke.—During the annual congress of the National Union of Students held recently in Liverpool, a party of sixty students visited the Speke headquarters of Evans Medical Supplies, Ltd. and were later entertained to tea.

Tees-side N.H.S. Discussion.—Mr A. W. Harrison, Ph.C., was in the chair at a meeting of the Tees-side Branch of the Pharmaceutical Society, held recently in Middlesbrough, when Mr. J. F. McNeal (a member of the Society's Council) gave an address on the National Health Service.

Manchester Junior Branch.—The Junior Branch of the Manchester Pharmaceutical Association held its annual meeting recently, after which Mr. Harry Steinman (chairman of the National Pharmaceutical Union, 1946-47) spoke on "The National Health Service and Pharmacy."

Portsmouth Officers.—At the annual meeting of the Portsmouth Chemists' Association, held recently, the following officers were elected:—President, Mr. A. G. Bradburn; Vice-president, Mr. E. B. Johnson; Treasurer, Mr. N. L. Banks; Secretary, Mr. R. G. Tremlett, 2a Fratton Road, Portsmouth.

Middlesex Official Honoured.—Members of the Middlesex Pharmaceutical Committee recently gave a complimentary dinner to Mr. H. E. Clement, Hampton, to mark his retirement from the committee. Mr. R. H. Rowson was in the chair. Mr. Clement, an original member of the committee, had been its second chairman, had acted as vice-chairman throughout the war of 1914-18, and as a member of the Middlesex Insurance Committee for more than fourteen years. Mr. G. F. Weiss, presenting an illuminated address to Mr. Clement, said it was a tribute from the younger members of the committee who had enjoyed and benefited from their association with Mr. Clement.

Dundee Annual Meeting.—The following officers were elected at the annual meeting of the Dundee and East and Central Scottish Branch of the Pharmaceutical Society, held recently:—Chairman, Mr. A. R. Lawson; Vice-chairman, Mr. G. Mitchell; Joint Secretaries, Miss Elizabeth Fyfe and Mr. C. W. Macfarlane. The Misses E. Fyfe and E. M. Jenkins and Messrs. T. Neilson and J. Smith were appointed to attend the British Pharmaceutical Conference in September. After the

utine business, Mr. F. W. M. Bennett described the representation of pharmacy on various committees concerned in the administration of the National Health Service.

Harrow Talk on Health Service.—Dr. Mervyn Thomas (medical officer of health, Harrow), speaking to the Harrow branch of the Pharmaceutical Society recently, said that the National Health Service was the inevitable outcome of development which had begun at the beginning of the century. It was difficult to foresee the effect of a free service on the attitude of the public. The new scheme would benefit some, while other patients whose ills were caused by mental factors might not have the effective treatment which individual attention could give. Dr. Thomas expressed concern about a possible decline in the standard of the professions concerned with the service and suggested that a doctor who was admonished for over-prescribing was being interfered with in the execution of his professional duties. Making a plea for a service based on careful experimentation, Dr. Thomas said the centralised health centre in the U.S.A. had not always proved satisfactory as had been expected. Mr. W. Adams (deputy secretary, Pharmaceutical Society) proposed a vote of thanks.

Durham "Grouse Night."—A recent meeting of the Durham County Branch of the Pharmaceutical Society took the form of a "grouse night." On local matters, Mr. T. Melrose (president) complained of poor attendance at meetings during the session and Mr. C. L. Robertshaw thought the branch's social activities had shown lack of enterprise. Mr. E. Richardson wanted to know whether, under the National Health Service, pharmacists would be called upon to supply urgent drugs at any time of night or day; the president thought that doctors would continue to carry with them the drugs necessary for the immediate treatment of serious illnesses. Some members held the view that retail chemists, upon whom would fall the full weight of dispensing in the initial stages of the new service, would have an opportunity to prove at health centre dispensaries were superfluous. Although there was general agreement with the Society's education policy, some members thought that it was out of touch with conditions in retail pharmacy. In particular it was thought that a student's apprenticeship should continue to be taken before his college studies.

Manchester Annual Meeting.—The annual meeting of the Manchester Pharmaceutical Association and Branch of the Pharmaceutical Society was held recently, Mr. J. R. Walmsley (president) in the chair. The report of the council and branch executive, read by Mr. T. Miller (secretary), summarised the work done in committee during the session. Mr. J. Lewis (secretary of Junior Branch) read the report of the junior executive, and Mr. G. V. Tyler (treasurer) submitted his annual reports and balance sheets for the Association and Branch. The reports were adopted. Votes of thanks were passed to Mr. Walmsley (president of the Association), and to Professor H. Brindle (chairman of the Branch) for their services during the year. The meeting concluded with a discussion on "Local Organisation" introduced by Mr. W. E. Phillipson. He said the biggest problem today was the organisation of employee pharmacists; without it there could be no real coherence in pharmacy. He suggested that the Junior Branch of the Association might become an organisation interested in and representative of employee pharmacists. A lively discussion followed.

West Kent N.H.S. Discussion.—A recent meeting of the West Kent Branch of the Pharmaceutical Society was addressed by Mr. H. N. Linstead, M.P. (secretary, Pharmaceutical Society) on the effects of the National Health Service. Describing the administrative structure of the service, Mr. Linstead said the development of a first-rate pharmaceutical service depended on having first-rate representatives of pharmacy on the advisory councils. The anticipated increase in dispensing might make it worth while for pharmacists to invest capital in dispensary improvements; it would be a mistake to offer a cut-price service to the Ministry of Health. Answering questions, Mr. Linstead thought an extra fee might be paid when a prescription was marked by the doctor "to be delivered." In rural areas a communally owned van might solve the delivery problem. There was no danger that pharmacists with only the Chemist and Druggist qualification would find themselves prevented from taking part in the new service. Mr. Linstead suggested that the system of pricing prescriptions would need to be reorganised. The chemist might have to sort his scripts into those following the standard formulary and those for which special rates were claimed. Standard scripts would be paid for at flat rates and the remainder individually priced.

Leeds Discussion on Education.—Mr. T. Heseltine (a member of the Council of the Pharmaceutical Society) recently addressed the Leeds Branch of the Society on the Education Committee's final report (see *C. & D.*, April 12, p. 407). The new proposals were designed, he said, to produce pharmacists of the highest grade, who would be able to demand proper remuneration for the service the State and the public would expect. In discussion, Mr. M. Jackson (chairman) said future pharmacists must be suitably qualified for a closer link with the medical profession. Mr. A. Rothstein urged the importance of teaching clean and faultless work; more time should be given to practical work. Mr. C. S. Challinor considered the new scheme likely to encourage young people to enter pharmacy blindly; they should have a preliminary period of practical experience to find out whether the work appealed to them. Miss F. Cousin pointed out that if retail pharmacy did not appeal, a wide range of other spheres would be open. Mr. G. C. Crummock suggested that the future pharmacist might be so highly qualified that he would not be disposed to spend his time in

routine dispensing; there might develop a grade of people employed solely on dispensing, a possibility to be avoided. Other speakers visualised a future shortage of qualified men and an increase in the number of drug stores.

IRISH NEWS

Dublin Social Evening.—The Chemists Gaelic Athletic Association Club held a social evening recently in Dublin. Among those present were Messrs. P. A. Brady (vice-president, Pharmaceutical Society of Ireland), P. C. Cahill and F. X. Meagher. Mr. Seamus Fox was master of ceremonies.

Belfast Students' Outing.—A party of pharmaceutical students from the College of Technology, Belfast, accompanied by members of staff including Professor F. Bell, Dr. H. Wren, Mr. C. W. Young, Ph.C., and Mr. N. Harper, B.Sc., M.P.S., made an excursion by bus recently to the Glens of Antrim. A walk through Glenariff was followed by tea in Cushendall and, later, by an impromptu concert and dance. Messrs. T. McDaid and G. McGlaughlin were responsible for the arrangements.

PHARMACY LEGISLATION IN JERSEY

UNDER an ordinance entitled "*Règlement (1947) sur la pharmacie et la vente de poisons*," which was adopted recently by the *Etats* ("parliament") of Jersey, Channel Islands, and became effective on April 12, the profession of "pharmacist or druggist" may not be practised on the island without permission from the Royal Court. Permission is granted only to persons accepted as chemists and druggists or pharmaceutical chemists by the Pharmaceutical Society of Great Britain, or as pharmaceutical chemists by the Pharmaceutical Society of Ireland. In addition the Court may require proof of the applicant's good character ("*un certificat de bonne vie et mœurs*"). Only pharmacists or druggists authorised by the Court may dispense or sell poisons in Part I or Part II of a list included in an appendix to the ordinance. The list is almost identical with the Poisons List operative in Great Britain. All such poisons must be labelled with the name of the poison, the word "poison" in large letters, and the name and address of the seller. Poisons in Part I of the list may not be sold to persons under the age of sixteen, and the purchaser must be known to, or introduced by a person known to, the seller. Details of such sales

must be entered in a poisons register, and the entry signed by the purchaser and, where applicable, by the person introducing the purchaser. Poisons included in a medicine prepared by a doctor, surgeon, or veterinary surgeon authorised to practise on the island are exempted from such restrictions. When a prescription containing a poison is dispensed by a pharmacist or druggist, the container must state his name and address, and the prescription, with the name and address of the purchaser, must be entered in a prescription book. The legal representatives of an authorised pharmacist or druggist may continue the business after his death provided that the dispensing and selling of poisons is done by a qualified assistant authorised by the Royal Court.

Permission to practise, once granted, is effective for life, whether or not the pharmacist pays his annual registration fees to the appropriate pharmaceutical society, provided only that he continues to do "*de bonne vie et mœurs*." Even should he leave the island for many years, he may recommence practice on his return without further application. In other respects, pharmacy in Jersey is understood to differ little from pharmacy in the United Kingdom.

TOPICAL REFLECTIONS

British Industries Fair

Memories about public events are apt to be so short that I may perhaps be permitted to remark that whereas the British Industries Fair was launched during the first world war it was suspended during the second. The contrast is, no doubt, to be attributed to a development in warfare foreseen before 1939. The advance information you have given (pp. 494-503) on the exhibits of this year's Fair is helpful to trade visitors. The fact that the number of exhibitors constitutes a record is encouraging. Into the questions raised in your editorial comment (p. 491) I do not propose to enter further than to emphasise that the balance of trade with the Dominions, Colonies and foreign countries continues to be a subject of the utmost importance for the future of the United Kingdom. The use of Earls Court as well as Olympia for the London section of the Fair is an improvement that should obviate a recurring difficulty of the years between the wars—the difficulty of allotting space without appearing to favour particular industries. Though primarily intended for first-hand buyers, the exhibits are worth visiting by retailers: they give, as a rule, a good idea of the range of each group of exhibits and incidentally supply lessons in the art of display.

Test Case Judgment

Till it is known whether the Pharmaceutical Society intends to appeal to the House of Lords against the judgment of the Court of Appeal in the test case decided on April 25 (p. 484), comment must be discreet. This is by no means the first time that a court of law has been called upon to interpret provisions of an Act of Parliament. The judgment of the Court in this case is clear-cut. It decides (I condense it for the purposes of this paragraph) that in order to render a medicinal substance one which is recommended as a medicine within the meaning of the Pharmacy and Medicines Act, 1941, it is a necessary condition that some definite ailment or ailments be mentioned. The definition of "substance recommended as a medicine" has thus received an authoritative elucidation. It appears that the case before the Court related only to the labelling of the three articles mentioned in your report: it may be presumed, however, that the judgment also covers all the methods of advertising specified in the same subsection. Manufactur-

turers of medicines will, I assume, remember that the wording of any label or advertisement has now become a matter for careful thought. Obviously there may be, now or in future, descriptions not exactly corresponding to those brought to the notice of the Court of Appeal.

A Medical Pioneer

By the death of Sir Almroth Wright (see p. 522) medicine loses a pioneer of outstanding merit. Till recently he was, though an octogenarian, in frequent consultation at St. Mary's Hospital in London, where in 1908 he created the department now known as the Institute of Pathology and Research. His work on typhoid fever has become historic. Not much is heard now, as far as I know, of the opsonic index devised by him; but it received ample publicity in Mr. Bernard Shaw's play "The Doctor's Dilemma." The First Act of the play contains a striking example of professional talk adapted to a dramatic purpose. In the course of the Act Sir Colenso Ridgeon hands a pamphlet to Sir Patrick Cullen, an old-fashioned practitioner, and asks him to read it when he has an hour to spare. Sir Patrick, after glancing at it, exclaims: "Opsonin? What the devil is opsonin?" Ridgeon replies: "Opsonin is what you butter the disease germs with to make your white blood corpuscles eat them." He explains that everything depends on inoculating during what he calls the patient's positive phase. To the question how one is to know whether the patient is in this phase, the answer is: "Send a drop of the patient's blood to the laboratory at St. Anne's; and in fifteen minutes I'll give you his opsonin index in figures . . . That's my discovery: the most important that has been made since Harvey discovered the circulation of the blood."

Red Gum

In the present context the heading of this paragraph designates a rash, not a drug. Students of Jane Austen may remember that in Chapter XXXVII of "Sense and Sensibility" (1811) Mrs. Jennings begins a lengthy narrative by describing a call at the house of one of her daughters, where she found an ailing child. Its mother was sure it was very ill, as it was freiful and "all over pimples." The narrator of the episode continues: "So I looked at it directly, and, 'Lord; my dear,' says I, 'it is nothing in the world but the red gum'."

Xrayser

LEGAL REPORTS

Goods in Excess of Licence.—At Burnley, on April 29, Ernest Hudd Garnett, trading as Raymond World (Modern Cosmetics), Bivel Street, Burnley, was fined £75, with £10 10s. costs, for selling controlled goods in excess of his licence. Counsel for the Board of Trade said Garnett's licence allowed him to manufacture cosmetics to a value of £250 in the first half year and £375 in each succeeding six months. In the first half-year he had sold six times, and in the next half-year fourteen times, the permitted amounts. The defence was that Mr. Garnett was building up stocks for export. He had obtained orders from the Continent which could be completed when the buyers obtained an import licence. After he had sunk all his money in export cosmetics, both export and import licences were refused. To get rid of large stocks, he unloaded some on the home market.

Alleged Assault.—Stated by his mother, upon a previous appearance before the court, to be a B.Sc. and a D.Sc., John Albert Mann, a twenty-five-year-old chemist, Queen's Crescent, Kentish Town, was alleged at Clerkenwell magistrates' court on May 2 to have posed as a doctor of medicine in order to carry out examinations of young women. He appeared on remand upon charges of indecently assaulting two single girls, aged twenty-one and twenty-two respectively, by examining their bodies. The prosecution now sought to avoid the necessity of a committal for trial on those charges by accepting a plea of guilty to charges of common assault. The magistrate said the matter was too serious for this course to be taken. Mann had also been charged with stealing an emulsifier, value £4 10s., from his employers, Brecca, Ltd., Fortress Grove, Kentish Town, and with receiving it, knowing it to have been stolen. Evidence had been given that, when arrested on this charge he told a police officer: "You may call it stealing, but I was setting up my own laboratory." At the hearing on May 2, solicitor for the prosecution said that the prosecution was not prepared to offer evidence on the charges of indecent assault. Defendant was employed as a chemist by Brecca, Ltd., a subsidiary of the British Surgical & Drug Co., from July 1946. The company recently removed their premises to Brentwood, and the defendant was employed in supervising the shifting of labora-

tory equipment. He also engaged female applicants for employment. On February 14 two young women went to Brentwood employment exchange and were given green cards to see "Dr. Mann" at the local premises. They were seen by Mann. On February 22 they received a letter, signed John Mann, offering them employment at certain premises and telling them they would be required to submit to a medical examination before reporting for work on March 3. On February 23 they received another letter, signed Dr. J. Mann, D.Sc., asking them to report at "the firm's temporary clinic" at Kentish Town. That address was a bombed-out house which had been rented by defendant personally. All this was done without the knowledge of the company. The girls kept the appointment and saw the defendant. Solicitor for the defence said: "The assault is based on the medical examination, but everyone concerned, including the police, my learned friend and the girls concerned, agree that there was not the slightest familiarity." "He was posing as a doctor and saying that the examination must take place," the magistrate pointed out. "This is a matter for another court." Mann was then further remanded on bail.

INQUESTS

Morphine from Poisons Cupboard.—At a Birkenhead inquest recently on a sister at Birkenhead General Hospital, it was stated that deceased held the keys of the outpatients' department poisons cupboard, from which twenty-nine tablets of morphine were missing. The coroner recorded a verdict of death through taking morphine intentionally while the balance of her mind was disturbed.

Death from Cocaine.—At an inquest held at Stoke-on-Trent recently on a fifty-nine-year-old sheet-metal worker who died following administration of an anaesthetic at the North Staffordshire Royal Infirmary, a doctor stated that, on giving a local anaesthetic similar to one which had been administered three days previously, the patient collapsed and died. The coroner recorded a verdict in accordance with the evidence of the pathologist who performed the post-mortem examination: that death was due to (a) acute cocaine poisoning due to (b) accidental entry of cocaine for anaesthesia into the blood stream through (c) an abrasion in the urethra from instrumentation in a deformed urethra.

COMPANY NEWS

R. B. GIBSON (CHEMISTS), LTD. (P.C.).—Capital £1,000. Ernest H. Gibson, L.P.S., George W. Brown, M.P.S., and Eric I. Rae, M.P.S., directors. R.O.: 2 High Street, Weston-super-Mare.

HERBERT BOOTH, LTD. (P.C.).—Capital £6,000. To acquire the business of a chemist carried on at Chester Bridge, Crewe. Herbert Booth, M.P.S., Anna H. Booth and Roy T. Booth, directors. R.O.: 5 Chester Bridge, Crewe.

S. C. KERR, LTD. (P.C.).—Registered in Belfast. Capital £500. To carry on the business of chemists, druggists and opticians, etc. Samuel C. Kerr and Francis L. Regan, L.P.S.N.I., directors. R.O.: 37A Ligoniel Road, Belfast.

GEORGE RIGG, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing and dispensing chemists and druggists, opticians, etc. George M. Rigg, Peter S. Clarke and Agnes Rigg, directors. R.O.: 34 Station Road, Taunton.

CHELSPA, LTD. (P.C.).—Capital £100. To carry on the business of dealers in pharmaceutical products, cosmetics, toilet requisites, etc. Charles H. K. Gregory, L.P.S., George V. Greenwood, M.P.S., and Joseph Hearle, M.P.S., directors. R.O.: London, High Street, Cheltenham.

CHRISTOPHER O'CONNOR & CO., LTD. (P.C.).—Registered in Dublin. Capital £5,000. To carry on the business of drug-stuffs, drug merchants and manufacturers, etc. First directors are not named. Kevin J. Kelly, subscriber, 18 Adelaide Road, Dublin.

FLEBRO, LTD. (P.C.).—Capital £1,000. To acquire the business of wholesale chemists carried on at Parkhill Street, Bolton. Albert Fletcher Whitecraft and Gilbert Brown, M.P.S., directors. R.O.: 19 Parkhill Street, Bolton.

BENGERS (DISTRIBUTORS), LTD. (P.C.).—Capital £15,000. To provide facilities for the storage, etc., and distribution of products manufactured or distributed by Bengers, Ltd., and for the collection of raw materials purchased by the said company. Basil D. Thornley, Anthony D. Lawry and Laurence Gibson-Hughes, directors. R.O.: Holmes Chapel, Cheshire.

TIMOTHY WHITES & TAYLORS, LTD.—Philip Hill & Partners, Ltd., announce that they offer to convert at par £1,000,000 3½ per cent. first mortgage debenture stock in exchange for 4 per cent. debentures being redeemed (see *C. & D.*, April 12, p. 394) has been over-subscribed.

AYRTON, SAUNDERS & CO., LTD.—Directors' report for the year ended December 1, 1946, states that balance available is £19,462, against £13,340 in the previous

year. A dividend is recommended of 10 per cent., less income tax, on the ordinary share capital, the same as in 1945. The carry-forward is £16,736, compared with £10,669 in 1945.

BRITISH OXYGEN CO., LTD.—The report for 1946 shows a net profit of £518,858 after providing for E.P.T. and £500,000 for income tax to date. To this is to be added £150,000, the adjustment of E.P.T. in respect of previous years. Comparable profit for 1945 was £520,587, after deducting £537,557 for income tax. The total distribution is maintained at 20 per cent. Allocation to general reserve is increased from £100,000 to £200,818 and £19,944 is added to the carry-forward.

POTTER & CLARKE, LTD.—The list of applications was opened and closed on April 30 for an offer of 869,670 ordinary one shilling shares at 5s. each. The issue was very heavily over-subscribed. All applications from the public received 100 shares. Applications from employees and customers of the company were given preferential consideration and the basis of allotment was as follows: Applications for 100 to 400 shares were allotted the full number; applications for 500 to 2,000 were allotted 400 shares, and for 2,100 and above, 500 shares.

BUSINESS CHANGES

MR. N. PACKWOOD, M.P.S., has acquired the business of the late Mr. H. Capern at Lee Road, Lynton, Devon.

MR. J. C. CALLAGHAN, PH.C., has joined the executive staff of Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds, 7.

MR. SNOWDON FRANCIS AMY, M.P.S., has been granted permission by the Royal Court of Jersey to practise as a pharmacist on the island.

AFFINED BASIC CHEMICALS, LTD., have removed to Empire Works, Desborough Road, High Wycombe, Bucks (Telephones: High Wycombe 2266-67-68).

POLAK & SCHWARZ, INC., are shortly opening new branch offices and warehouses at 400 West Madison Street, Chicago, to cover sales through the mid-western states.

MR. ROBERT E. MARSH, formerly a director of May, Roberts & Co., Ltd., is shortly sailing to South Africa to take up a position as director of A. J. North & Co., Ltd., 71 Hout Street, Cape Town.

MISS ZELIE FRANCOISE ERNESTINE HARDY has been granted permission by the Royal Court of Jersey to practise as a pharmacist on the island. Miss Hardy was the last French subject to obtain such permission before a new ordinance came into force (see p. 518).

BIRTH

MCCLENAHAN.—In Belfast, on April 29, the wife of James McClenahan, M.P.S.N.I. (a former secretary of the Ulster Chemists' Association), of a son.

MARRIAGES

MCCALL-THAW.—In Lanark, recently, W. Stewart Robert McCall, M.P.S., 35 Albany Drive, Lanark, to Agnes Samson Thaw, Lanark.

SILVER WEDDING.—NOLAN-VICKERY.—At St. Finbarr's Church (South), Cork, on April 27, 1922, William J. Nolan, M.P.S.I., Medical Hall, Dungarvan, co. Waterford, to Victoria A. Vickery, Kenmare, co. Kerry. Present address: 43 Main Street, Dungarvan, co. Waterford.

DEATHS

ANTHONY.—Recently, after apparently making good progress following hospital treatment, Mr. Stanley Anthony, 130 Trinity Street, Gainsborough, Lincs, aged thirty-three. A native of Mansfield, Mr. Anthony qualified in 1935. He is survived by his widow.

ATHERTON.—Recently, Mr. Frank David Atherton, M.P.S., 5 Pratt Road, Prescot, Liverpool, aged fifty-nine.

BRAMLEY.—On April 25, Mr. William Miles Bramley, M.P.S., Kynaston Place, Much Marcle, Ledbury, Herefords, aged seventy-three. Until his retirement ten years ago, Mr. Bramley was in business in Birmingham.

BROOKS.—At 5 Gubyon Avenue, Herne Hill, London, S.E.24, Mr. Albert Henry Brooks, M.P.S., 173 Sloane Street, London, S.W.1, aged seventy-six.

BURR.—During an operational flight over Germany in 1944, Mr. Percy William Burr, M.P.S., 93 Harlaxton Drive, Nottingham. Mr. Burr qualified in 1941.

DAVIES.—On March 22, Mr. Trevor Davies, M.P.S., 203 Plaistow Road, Stratford, London, E.15. Mr. Davies, who qualified in 1929, was formerly in business at Brynhyfryd, Swansea.

MINCHIN.—On April 22, Mr. William Minchin, Ph.C., 6 Pitt Street, Gloucester, aged eighty-two. Mr. Minchin qualified as a chemist and druggist in 1886 and passed the Pharmaceutical Chemist examination the following year.

ROBERTS.—On April 23, Mr. Thomas Roberts, a director of T. Roberts, Chemists, Ltd., 1 Belgrave Road, Longton, Staffs, aged eighty-two. Mr. Roberts first settled in the Potteries as manager for J. D. Furnival & Co., wholesale and retail chemists, Hanley, from whom he subsequently bought a branch business at Longton, where he remained. Known locally as "Pa" Roberts, he had a wide circle of friends. He is survived by a son and two daughters.

WRIGHT.—At Farnham Common, Bucks, on April 30, Sir Almroth Edward Wright, K.B.E., C.B., M.D., F.R.S., aged eighty-two. Sir Almroth began his medical career by obtaining the travelling medical prize at the University of Dublin, afterwards spending some time in Leipzig, Strasbourg and Marburg, before taking his M.B. and B.Ch. degrees at Trinity College, Dublin, in 1883, and later, in 1889, his M.D. degree. In 1897 he published the first of a series of papers which were to establish him as an authority in experimental pathology; it gave the results obtained in a series of inoculations with anti-typhoid vaccines. Sir Almroth was responsible for the introduction of new and more rapid methods of measuring the amount of protoplasm during the preparation of vaccines, and the inventor of an "opsonic index" by which it was possible to graduate the dose of a vaccine, determine the time at which it should be given, and measure the amount required for a given patient. During the South African war he was responsible for the adoption of a successful policy of immunising the troops against typhoid fever, and in 1902 he was appointed pathologist to St. Mary's Hospital, Paddington, where, six years later, a special department of therapeutic inoculation was opened under his direction, later to be known as the Institute of Pathology and Research. He became also Professor of Experimental Pathology in the University of London and, during the 1914-18 war, served as consulting physician to the British Forces, with whom he was successful in reducing the typhoid rate to the lowest ever attained in armies. Bernard Shaw wrote of him: Almroth Wright, the founder of the æsthetic theory of sanitation, in full Sir Almroth Wright, K.B.E., and of great distinction as a bacteriologist, physician and philologist, remarked quite casually at a discussion following a lecture of mine, "I believe the effect of sanitation is æsthetic," and having thus opened an epoch in hygiene, sat down and thought no more about it. But I thought a good deal about it.

PERSONALITIES

MR. BOB EDWARDS has been appointed acting general secretary of the Chemical Workers' Union.

MR. LEONARD F. LYALL (London representative of Stemco, Ltd.) has retired after thirty-two years' continuous service with the company.

MR. K. W. THORNDYKE (warehouse manager of Boots, Ltd., Nottingham), has been elected president of the Nottingham City Business Club.

MR. S. F. JARMAN, M.P.S. (a member of the export sales staff of Pharmaceutical Specialities (May & Baker), Ltd., Dagenham), has been elected an associate member of the Institute of Export.

MR. BEN JAMES HOLDEN, M.P.S., 6 Wycollar Road, Blackburn, Lancs., a former alderman of Blackburn, has been appointed to serve at the first sitting of the town's furnished houses rent tribunal.

MR. DOUGLAS R. MACKIE (sales manager of Monsanto Chemicals, Ltd.), sailed recently for America where he is to spend six weeks visiting Monsanto plants and offices in the United States and Canada.

MR. J. R. GUILER, M.P.S.N.I., has recently resigned from the treasurership of the Associates' Section of the Ulster Chemists' Association. He is succeeded by Mr. E. B. Williamson, L.P.S.N.I. [Corrected note.]

MR. EIRWYN OWEN, M.P.S., has been elected chairman of the Bangor chamber of commerce. Mr. Owen is chairman of the Carnarvonshire Branch of the Pharmaceutical Society, chairman of the United Chemists of Wales, and a member of Bangor city council.

MR. A. NIXON (managing director of Solport Bros., Ltd., London) was presented on April 23 with gifts from his staff at a gathering arranged to celebrate his eightieth birthday. Mr. Nixon has held his present position with the company for sixty-three years.

MR. J. DAVIDSON PRATT, C.B.E., M.A., B.Sc. (director and secretary of the Association of British Chemical Manufacturers) has been awarded the American Medal of Freedom with silver palms for "exceptionally meritorious work and co-operation with the United States" while Controller of Chemical Defence Development at the Ministry of Supply from 1940-1945.

SIR FREDERICK BAIN, M.C. (a deputy-chairman of Imperial Chemical Industries,

Ltd.) has been elected president of the Federation of British Industries. He is to visit Canada shortly, at the invitation of the Canadian Minister of Trade and Commerce, where he will take part in discussions with representatives of industry.

MISS JOAN L. HALL, M.P.S., The Poplars, New Beacon Road, Grantham, flew to Southern Rhodesia recently to take up a position with a chemist in Salisbury. Miss Hall, who is the elder daughter of Mr. Frank Hall, M.P.S., was formerly in business with her father at 15 Wharf Road, Grantham.

MR. W. A. BEATTIE, M.P.S., has taken up an appointment as Superintendent of the Central Checking Bureau, Daily Accounts, Scotland, 8 Woodside Terrace, Glasgow, after being for seventeen years laboratory manager with Duncan, Flockhart & Co., Edinburgh. While in Edinburgh, Mr. Beattie took an active interest in professional affairs and he has recently completed three years as chairman of the Edinburgh Branch of the Pharmaceutical Society. Since 1937 he has been a member of the Executive of the North British Branch, of which he is now vice-chairman.

MR. F. J. JACKSON, B.Sc., Ph.C. (author of a series of articles on "Small-scale Sterilisation," appearing in the *C. & D.*, see p. 528), has been a teacher to pharmaceutical, medical, veterinary and dental students in Scotland for over twenty years, and is a member of the staff of the North British Branch of the Pharmaceutical Society. After an apprenticeship served with Mr. J. H. Lowe, M.P.S., Blackpool, he studied under the late Mr. W. Duncan, Ph.C., at the Royal Dispensary School of Pharmacy, Edinburgh, and qualified in 1922, later serving as an assistant to the late Dr. R. R. Halloway, Ph.C., B.Sc., Carlisle. Returning to college, he obtained the Ph.C. diploma in 1925, became a demonstrator at the college, and in 1927 was appointed head of the chemistry department. When the college closed in 1935 he opened a tutorial institution in Edinburgh for pharmaceutical and medical students, and for several years assisted in the biology department of the Royal Dick Veterinary College, Edinburgh. He graduated B.Sc., Lond., in 1937. Mr. Jackson has served as president, treasurer and secretary of the Edinburgh Chemists' Assistants' and Apprentices Association.

TRADE NOTES

Price Increase.—A Wander, Ltd., announce an increase in the retail price of the $\frac{1}{2}$ -lb. package of Ovaltine rusks on May 12.

Prices Reduced.—May & Baker, Ltd., Dagenham, Essex, announce reductions in the prices of Planavit B, brand aneurine hydrochloride.

New Packing.—C. J. Hewlett & Son, Ltd., 35 Charlotte Road, London, E.C.2, state that Hewlett's cream is now packed in flat enamelled tins as well as in tubes.

Eire Price List.—Parke, Davis & Co., 50 Beak Street, London, W.1, have recently issued a new edition of their price list in Eire, operative from April 22. Any Irish chemist who has not yet received a copy should write in to the company immediately.

For Immediate Delivery.—Percenta, Ltd. (Dept. 23) Percenta House, 130-32 Tooley Street, London, S.E.1, have available for immediate delivery 1,500 gross 2-oz. amber glass jars with coloured metal caps suitable for cosmetics and ointments. Orders are being filled in rotation.

Sole Agencies.—Emmett Distributing Co., Ltd., 140 Park Lane, London, W.1, have been appointed sole agents in the United Kingdom for the Adelaide Grey Cosmetics, and for Robey salts. Both products are shown at the company's stand (A 1351) at the British Industries Fair.

Speech Therapists.—The Board of Registration of Medical Auxiliaries, British Medical Association House, Tavistock Square, London, W.C.1, has issued its fifth edition (1947) of the Speech Therapists' Section of the National Register of Medical Auxiliary Services. Copies are supplied free to medical practitioners, hospitals, local authorities, etc.

Sterilisable Syringe.—The Ballbrook Surgical Instrument Co., 9 Blackfriars Street, Salford, 3, draw attention to their Balco syringe, which has been developed in accordance with the recommendations of the Medical Research Council in War Memorandum No. 15, and is claimed to be the first glass-and-metal syringe that may be sterilised, completely assembled, at any temperature up to 200°C. by dry- or wet-sterilisation methods.

Oyster-concentrate Display.—A full window display of Tyrodine brand oyster concentrate has been staged by Ru-Mari, Ltd., 19 Thornton Way, London, N.W.11, in one of the two main windows of the New

Zealand Government Building, Strand, London, W.C.2. Prominent in the display is a showcard advising customers to ask for Tyrodine from their local pharmacist. The display initiates an advertising campaign by the company.

Individual Transparent Containers.—The Nicolle pack, which enables single articles to be detached leaving the remainder hermetically sealed in cellulose acetate plaquettes, is again available. The method, which is suitable for a wide range of products, including suppositories, tablets, toothbrushes, bottle teats, etc., was described in the *C. & D.*, 1938.I.297. Particulars may be obtained from the concessionaires, Charles E. Douglas & Co., Ltd., 86 Strand, London, W.C.2.

P.A.T.A. Year Book.—The Proprietary Articles Trade Association has now issued its 1947 Protected List and Year Book which, owing to printing difficulties, is the first to be issued since 1945. For the first time the list appears in two sections. In the first part (pp. 33-117) are included medicinal and surgical proprietaries, and in the second (pp. 120-147), toilet, food, and all other proprietary articles not within the "medicinal and surgical" classification. It will be recalled that the decision was taken by the Council to recommend manufacturer members of the Association to restrict to chemists so far as possible preferential trade terms for medicinal proprietaries, and the new arrangement is an outcome of that decision.

A Rat Poison Launched.—At a Press conference in London on April 29, Rodmill Chemical Co., Ltd., Liverpool, introduced their new rat poison, based on alpha naphthyl thiourea. The preparation, a bait containing 2 per cent. of the compound, is being shown at the British Industries Fair under the name Antu. Mr. F. Holden, M.P.S. (a director) told how the toxic properties of the compound were discovered during tests with phenyl thiourea on the taste buds of rats. That compound, though toxic, was too bitter to be successful in practice, and the search was made for a tasteless, or at least non-bitter, related compound. Alpha naphthyl thiourea was the result. The compound had the recognition of the Ministry of Food's infestation division, and was so potent that half a teaspoonful of the bait was sufficient to kill a brown rat of average weight.

C. & D. DISPENSING PRICE LIST

THE following changes, which took place in April in the prices of items included in the C. & D. Dispensing Price List, should be noted by users:—

Cost d. per	Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price 4 oz. s. d.	Cost d. per	Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price				
					1 oz. s. d.	1 dr. s. d.	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
72 lb. 15 oz.	Acid. ricinoleic. Aluminii acetato- tartras ..	2 7 0 9 0 2	31 lb.	Sapo mollis 3s. 10d. lb.	1 1 0 4	—	—	—	—
45 lb.	Anisi fructus pulvis ..	1 7 0 6 0 1	70 lb.	Sodii sulpho- carbolatis ..	2 6 0 8 1	—	—	—	—
78 lb. 21 oz.	Cetaceum ..	2 10 0 9 0 2	182 lb.	Tr. opii D.D.	—	1 10 0 4	—	—	—
	Ergota prépara- ta S.I.(5)	— 3 1 0 6	98 lb.	Tr. rhei co. ..	3 6 1 0 0 2	—	—	—	—
20 oz.	Ext. bellad. herb. liq. S.I.(5)	— 2 11 0 5	136 lb.	Tr. senegæ ..	4 10 1 4 0 2 1	—	—	—	—
21 oz.	Ext. caulophylli liq. ..	— 3 1 0 6							
20 oz.	Ext. cinchonæ ..	— 2 11 0 5							
210 lb.	Ext. ergot. liq. S.I.(5) ..	7 6 2 3 0 4							
49 oz.	Ext. hamam- elidis ..	— — 1 2							
59 oz.	Ext. rhei pulv.	— — 1 5							
34 oz.	Ext. rhei liq. ..	— 5 2 0 9							
45 lb.	Lin. methyl. salicyl., B.P.C.	1 9 0 7 0 1							
56 lb.	Lin. terebinth. acet. ..	1 11 0 7 0 1							
18 lb.	Linii semina con- tus. 2s. 3d. lb.	0 8 1/2 0 2 1/2							
37 pt.	Liq. chloroxylen- olis ..	1 1 0 3 1/2 —							
115 oz.	Liq. vitamin. A conc. ..	— — 2 8							
122 oz.	Liq. vitamin. A et D conc. ..	— — 3 0							
63 lb.	Mist. bis. co. acida c. pepsin. P.I.(13) ..	2 5 0 8 0 1 1/2							
56 lb.	Mist. bis. co. c. pepsin. P.I.(13)	2 3 0 8 0 1 1/2							
15 lb.	Ol. arachis 2s. od. (16 fl. oz.)	0 8 0 2 1/2 —							
24 lb.	Ol. lini 3s. 3d. (16 fl. oz.)	0 11 1/2 0 3 —							
24 lb.	Ol. palmae ..	0 11 0 3 —							
33 lb.	Ol. ricini opt. 4s. od. (16 fl. oz.)	1 2 0 4 —							
162 oz.	Pepsinum ..	— — 3 10							
105 oz.	Podophylli resina (peltatum) ..	— — 2 2							
29 oz.	Pulvis pepsin. co., B.P.C. ..	— 4 3 0 8							

**PROPRIETARY ARTICLES
TRADE ASSOCIATION**

Additions to Protected List.—*Franklin Laboratories*, Franklin's indigestion remedy, 6-oz., 13s. 10d. doz., tax 2s. 3d. doz., inclusive retail price, 1s. 10d. Vue eye lotion, 4-oz., 14s. 4d. doz., tax 2s. 5d. doz., i.r.p., 2s. Minimum direct order of either article (assorted if desired) six dozen, supplied at thirteen to doz.

Alterations.—*Addis, Ltd.*, Correction to P.A.T.A. year-book, 1947: Wisdom series of tooth-brushes are now known as Wisdom Normal, Wisdom Junior, and Wisdom Extra; i.r.p. of Wisdom Normal, 1s. 6d.

Albion Soap Co., Ltd., Albion milk and sulphur soap, per tablet, 8 1/2d., box of three tablets, 2s. 1 1/2d., 1s. 1 1/2d. doz. boxes, tax 6s. 4 1/2d. doz. boxes, i.r.p. per tablet, 10d.; per box, 2s. 7 1/2d.

Anzora Perfumery Co., Ltd., Increased prices, May 1: Anzora cream and viola, 12s. doz., tax 12s. doz., i.r.p. 2s. 6d.; 2s. 4 1/2d., 19s. doz., tax 19s. doz., i.r.p., 3s. 11 1/2d.

Buffham's Preparations, Resinol toilet soap, 3-oz., 10s. doz., tax 3s. 4d. doz., i.r.p., 1s. 5 1/2d. Resinol shaving sticks, 11s. 9d. doz., tax 3s. 11d. doz., i.r.p., 1s. 8d. Prices of Resinol toilet soap are already in operation; those for shaving sticks take effect on May 12.

Newton, Chambers & Co., Ltd., Izal toilet soap, 3-oz. tablet, 5s. 1 1/2d. doz., tax 1s. 8 1/2d. doz., i.r.p. 9d.

Parke, Davis & Co., Ltd., Correction to P.A.T.A. year-book, 1947: Inclusive retail price of glycerin suppositories (adult's or children's) and long (for infants) should read 2s. 9d.

Vitamins, Ltd., In some copies of the P.A.T.A. Protected List for 1947, owing to a printer's error, the price of the hospital size Bemax is given as 26s., the correct price is 25s.

Deletion.—*Harkness, Beaumont & Co., Ltd.*, Sunray cod liver oil emulsion.

Explanation.—*Portland Plastics, Ltd.*, The increased prices for Portex plastic skin notified last week (p. 488) apply to the 25 c.c. vial only. Prices of the larger bottles and of the tube are unchanged.

Invitation to Thieves.—Perhaps the absence of that "Doctor" sign might . . . help to discourage the raiders of parked cars who apparently specialise in medical accessories. If the nature of the transport were not so immediately apparent, there might be fewer warnings about missing drugs.—From the "Manchester Guardian."

AT THE BRITISH INDUSTRIES FAIR

WHEN the first British Industries Fair to be held for eight years opened at Olympia on May 5, there was already waiting an impatient queue of trade buyers who had come from all parts of the world to see how successfully British industry had recovered from the difficulties of the war years. Seen from the main staircase the Grand Hall was gay with the coloured canopies of the stands, towering above which a great revolving lantern (destined for a Norwegian lighthouse when the Fair is closed) swept the hall with a four-million candlepower beam. The first favourable impressions of the Fair, gay and undaunted despite the post-war difficulties of man-power and materials, were confirmed by the individual displays.

THE CHEMIST AND DRUGGIST stand (No. A 1349, not as previously stated) served as a convenient pivot of the "chemists' supplies" section, especially to anyone using the classified guide published last week (see *C. & D.*, May 3, pp. 494-503).

In addition to the exhibits there listed, the following were to be seen:—

ANDERSON & REEVES, LTD., 157 Regent Street, London, W.1 (A 1281): Tryst lipsticks and refills, face powder, cream rouge, and a range of perfumes.

BURROUGHS WELLCOME & Co. (The Wellcome Foundation, Ltd.), Euston Road, London, N.W.1 (A 1171): A wide range of pharmaceutical preparations. A special display, indicating the original use of curare as an arrow poison, was made of the company's d-tubocurarine chloride product.

COOPER, McDougall & ROBERTSON, LTD., Chemical Works, Berkhamsted, Herts (A 1192): Sheep and cattle dips, A.L. 63 louse powder, and household insecticides containing DDT and Gammexane.

F. R. CULLINGFORD, LTD., Riley Works, Chelsea, London, S.W.10 (C 1540A): Bath essences, toilet and bath soaps, shaving soap, cosmetics, and toilet articles for men.

D. DEVON, LTD., Norfolk Place, London, W.2 (A 1317): Toilet preparations and cosmetics, with special prominence to Devon lilac talcum powder.

C. DRAPER & Co., 33 Castle Street, Farnham, Surrey (A 1319): Hair creams, brilliantines, lotions, shampoos, beauty creams and milks, face and talcum powders, etc., "especially for the bazaar and native trade."

INDUSTRIES FAIR

EMMETT DISTRIBUTING Co., LTD., Park Lane, London, W.1 (A 1351): A wide range of toilet accessories, Adelaide Gray beauty preparations, and Robey salts.

EXPANDED RUBBER Co., LTD., Mitcham Road, Croydon, Surrey (E.C.792): Rubber mats.

FUBEX, LTD., 27 Albemarle Street, London, W.1 (A 1130): Flyolin moth spray, containing both Gammexane and DDT, and the Flypol range of insecticides.

JOHN GOSNELL & Co., LTD., Ballards Old Brewery, Southover, Lewes, Sussex (A 1271): A contrast between old and new in an exhibit that included a "period" shopfront side by side with a modern "streamlined" display of the specialities Cherry Blossom perfume, toilet powder and brilliantine, Famora eau de Cologne and lavender water, Society cosmetics, shampoos, soap and bath crystals.

HANNETTA, LTD., Humber Road, Cricklewood, London, N.W.2 (A 1335): Toilet preparations, perfumery, dentifrices, and pharmaceutical preparations.

HANRI (CAVALCADE BEAUTY PREPARATIONS, LTD.), 8 Basil Street, Knightsbridge, London, S.W.3 (A 1333): Cavalcade series of beauty preparations and perfumery, including eau de Cologne, creams, face and talcum powders, skin food, bath essence, lotions, lipsticks, brilliantines and soaps, together with Shangri-La Forever, Ballet Russe, Tombola and Tovarich perfumes.

JASCO, LTD., 74A Regent Street, London, W.1 (A 1348): A range of antiseptics and medicinal tablets and toilet preparations, including bath salts, hair cream and shampoos.

JOHNSON & SONS, MANUFACTURING CHEMISTS, LTD., Hendon, London, N.W.4 (A 1061): Universal test papers for the measurement of pH values; comparator papers for more accurate determinations.

KORAY, LTD., 25 Hanover Square, London, W.1 (A 1340): A range of proprietary medicines including Koray tablets.

KEENE'S LABORATORIES, LTD., Newcastle-on-Tyne, 4 (C 1539A): Keensan tonic tablets, Keene's nail strings, and Perox Chlor nail cleaner.

PETER LUNT & Co., LTD., Aintree, Liverpool, 10 (A 1343): Hard, soft and liquid soaps, soapless detergents and dentifrices and toilet preparations.

MONSANTO CHEMICALS LTD., Victoria Station House, London, S.W.1 (A 1172): A range of such products as phenol, cresylic acids, benzoates and salicylates. The company's stand is dominated by a large Monsanto "M" 7 ft. high. Samples of chemicals are displayed in a series of port-holes each covered with a plastic hemisphere.

NORTH BRITISH RUBBER CO., LTD., Castle Mills, Edinburgh, 3 (A 1305): Specimens of water beds, air cushions and hot-water bottles, overshoes for use in operating theatres, and a range of plastic combs, stirring rods and spatulas.

RAZVITE, LTD., 99 Oaklands Road, London, N.W.2 (C 1539B): Razvite, Fixavite hair dressing, and a range of cosmetics and toilet preparations.

RENTOKIL, LTD., Stockwell Road, London, S.W.9 (A 1133): A range of insecticides, germicides and disinfectants, including a biting insect repellent.

VALDOR LABORATORIES, LTD., 12 Diana Place, London, N.W.1 (C 1539): Guitare lipstick and rouge, Arancil mascara, Chopin perfumes, and a selection of other toilet preparations.

VINE'S BIOCRRIN, LTD., 222 Harrow Road, Paddington, London, W.2 (A 1325): Biocrin pomade shampoo treatment, biological tonic oils, and a wide range of other preparations for the hair.

VIVETTE LABORATORIES, LTD., Hildaville Drive, Westcliff-on-Sea (A 1166): A range of cosmetics, face creams, face powders and lipsticks.

THE WEEK IN PARLIAMENT

By a Member of the Press

MR. TOM WILLIAMS (Minister of Agriculture) told the House of Commons on April 28 that the acreage of linseed sown this year was likely to be limited by the quantity of seed available; he expected that at least an additional 500 tons of linseed would be distributed in time for sowing. With the seed already distributed from last year's crop, that represented enough for some 30,000 acres, against 11,000 acres in 1946.

Soap Shortages

Various local shortages of soap were revealed in questions put to the Minister of Food on April 28. DR. EDITH SUMMERSKILL (Parliamentary Secretary) stated that there was no general shortage of washing soap in Eastleigh, Kingsbury or North Wembley, though it might be necessary to try more than one shop in order to obtain supplies.

Cotton Wool in Kensington

MR. RICHARD LAW asked the Minister of Supply if he was aware of the difficulty in obtaining supplies of cotton wool in shops in the South Kensington area.

MR. WILLIAM LEONARD (Parliamentary Secretary) replied that shops in that area were not receiving their fair share of available supplies.

Industrial Coal Supplies

SIR STAFFORD CRIPPS said on May 1 that the Government had decided that supplies of coal to each industry between June

Gallery, House of Commons

1 and October 31 would be planned at a level equal to consumption in the summer of 1946, subject to appropriate adjustments for factories newly started up, and for oil conversion. The extra allocation should enable those industries to obtain about 85 per cent. of their current solid fuel requirements. In general, supplies to individual firms would be based on the same rate of consumption as last summer. It would be for firms to build up, from the deliveries they received, a stock sufficient to meet three weeks' winter requirements by the end of October. If larger stocks were accumulated, these would not be taken into account in framing the winter allocations. If firms failed to accumulate a three-weeks' stock, the winter allocations would nevertheless be based on the assumption that such a stock was in fact held. "It must be appreciated that, in estimating supplies for industry at this level, a considerable risk is deliberately being taken, and that the success of the endeavour to avoid the grave results of cutting down industrial activity during the whole of the summer must depend both on the maintenance of a high rate of output of coal and upon the full co-operation of industrial undertakings in effecting all possible economies and in building up stocks for the winter."

Vitaminised Tea in Russia.—An Irkutsk tea factory is reported to be producing vitaminised brick tea for use in the extreme northern republics of the Soviet Union.

SMALL-SCALE STERILISATION

By F. J. Jackson, B.Sc., Ph.C.

3. THE PREPARATION OF AMPOULES

A SIMPLE apparatus for cutting the necks of ampoules to uniform length is illustrated in Fig. 1. A is a piece of hard wood, triangular in cross-section, with a clip at each end to allow it to slide backwards and forwards along the base-board. Each ampoule in turn is placed in position with its base up against the fixed block C. After A has been adjusted to the

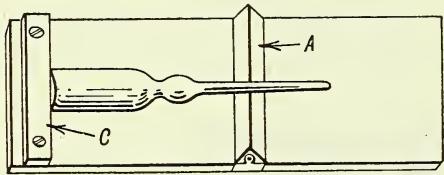


Fig. 1: An easily made apparatus for cutting the necks of ampoules to uniform lengths.

desired distance from C, a scratch is made on the ampoule neck above A with an ampoule file, or, better, with a fine triangular carborundum file. The necks of the ampoules are then readily broken off with the fingers, each ampoule being held *base upwards* for the purpose.

Each ampoule is then given a good shake with the open end downwards to remove any particles of glass, and washed out with a jet of distilled water, using a small wash-bottle with a cannula fitted to its rubber exit tube. The washed ampoules may be left to drain and dry inverted on a pad of blotting paper lining the bottom of a beaker. The open end of each ampoule is then covered temporarily with a small glass thimble (a Durham tube D is shown in Fig. 2) to keep out dust. A holder in

which the ampoules may conveniently be stood can be made from a rectangular piece of wood in which are bored cavities of the correct diameter to take the bases of the ampoules and prevent them from being knocked over.

The ampoules are now ready to be filled. A hypodermic syringe may be used but better results are obtained with the simple unit shown in Fig. 3. The components are

all standard pieces of laboratory apparatus, and are readily obtainable. F is a small sintered-glass funnel such as a Pyrex No 5, filter-grade 3/3. A is a receiver fitted with the rubber bung B which is bored with two holes. S is a dust shield connected to A by about 3 in. of rubber tubing. D is a clip and C a cannula fitted into the rubber tubing. V is an air vent tube with its bulb filled with non-absorbent cotton wool as an air filter. The vent is connected by the rubber tubing G to a bent glass tube T, which passes through a rubber stopper fitted into the neck of a separating funnel E containing water or mercury. (The single retort stand by which, with appropriate clamps, the apparatus is supported, is not shown in the diagram.)

To use the apparatus the clip D is closed, the injection solution poured into F, and the stop-cock of E opened so that the water drips into H. Without using E, filtration is much slower. (If a very fine grade filter such as a 5/3 is used, the vent V should be connected by pressure tubing to an exhaustion pump, instead of to E.) The cannula C is then placed well down the neck of each



Fig. 2

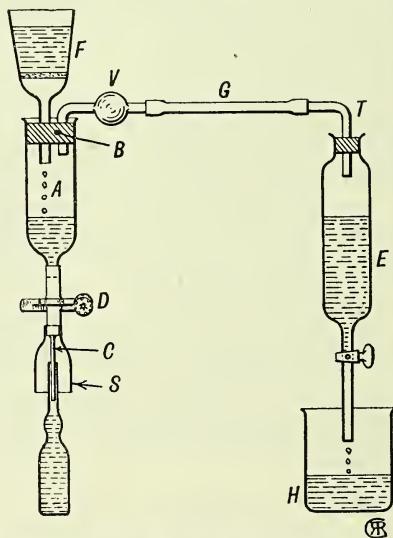


Fig. 3: A simple unit, built up from standard items of laboratory apparatus, for filling ampoules.

ampoule which is filled to the required depth by opening the clip D. The Durham tubes are then replaced, one over the neck of each ampoule, until ready for sealing.

An efficient sealing apparatus which could be made by any plumber from metal tubing of $\frac{1}{8}$ in. internal diameter is shown in Fig. 4. The twin burners B and B are Bray Roni No. 322-21 litres, and are placed $9/10$ in. apart, i.e. the air gap between the tips of the jets is $9/10$ in. The height of the burners above the bench is adjusted with the aid of the burette-stand clamp so that the twin jets are level with the open tops of the ampoules as they stand in a row in their holder. (For clearness, one ampoule only is shown in the illustration.) The holder is moved along the bench so that the neck of each ampoule in turn, its Durham tube removed, is brought between the jets. During the sealing process each ampoule is rotated gently with the fingers without being removed from the holder. The result is an ampoule sealed with a neatly rounded top. It is usual to verify that ampoules are properly sealed by immersing them in a beaker of water coloured with methylene blue. When the water is boiled and allowed to cool the colour is sucked into any ampoule which is not perfectly sealed. With the method of sealing described above, the methylene blue test may safely be omitted.

Examination of Ampoules

After sealing, each ampoule should be examined in front of a strong light to ensure the absence of foreign matter. If the inside of the neck of the ampoule has been inadvertently fouled by the solution during the filling process, an unsightly deposit of carbon may be formed on sealing. Such a deposit may be avoided by momentarily blowing a jet of steam across the open neck of the ampoule; the small quantity of steam which condenses is sufficient to wash

down the inside of the neck just before it is sealed. In finishing off, each individual ampoule, as well as the box, should, of course, be labelled with the contents.

In conclusion, a few general remarks about inexpensive sterilising apparatus for small-scale work may not be out of place. In an emergency quite a good substitute for a hot-air oven may be made, as is probably well known, from a biscuit tin, or a tin of similar shape. The bottom should be covered in sand and a suitable thermometer fitted. Glassware to be sterilised should be plugged with non-absorbent cotton wool, wrapped carefully in stout paper and heated in the tin at 150°C . for one hour.

It is advisable to keep small quantities of the drugs commonly used for making sterile preparations in a special cupboard set apart for the purpose, the glass stoppers and necks of the bottles being protected with some improvised form of dust-shield. After making a number of sterility tests the writer has found that chemicals when first supplied by the makers are almost invariably sterile, but those

which have been in use for some time on open shelves are frequently contaminated. Any sterile solution supplied in a plugged flask or stoppered bottle should be sealed in such a way that it is at once obvious if the container has been opened.

Since "heating with a bactericide" became an official method of sterilisation, instances have occurred of unsatisfactory preparations caused by incompatibility between the medicament and the bactericide used. A paper read by McEwan and Macmorran at a recent Evening Meeting of the North British Branch of the Pharmaceutical Society (see *C. & D.*, April 12, p. 402) described a thorough investigation into such incompatibility, and the tables published should be consulted before deciding upon the most suitable bactericide.

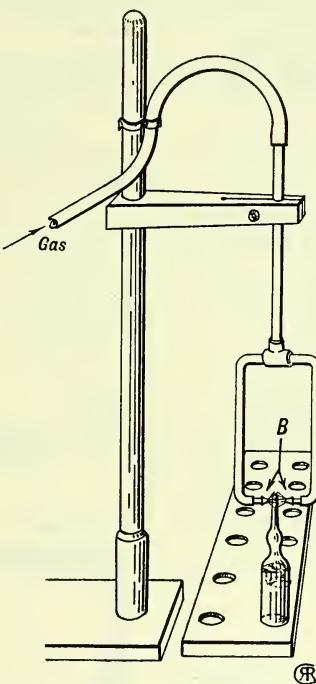


Fig. 4: An efficient ampoule-sealing apparatus which could be made by any plumber at small cost.

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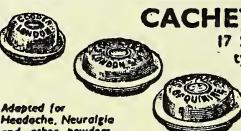
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MAY 10
1947

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REPRESENTATIVES required on commission basis throughout Great Britain with live connections with the wholesale and retail grocers, stores and chemists for sound repeating household products. Only salesmen accustomed to large turnover need apply. Reply to Slip, 95 Victoria Street, S. Albans, Herts.

REPRESENTATIVES, whole or part time, required over many parts of the country by manufacturers and distributors of high class toilet, cosmetic, perfumery and sundry lines, who are also sole distributors for high class French cosmetics and perfumery. 172/799, C. & D. Office.

REPRESENTATIVE wanted to call on chemists, North-east area of England. Surgical dressings, druggists' sundries, sanitary towels. Salary, commission and expenses. State age and experience. Write 172/796, C. & D. Office.

REQUIRED for London area, representative for surgical dressings, druggists' sundries, sanitary towels, calling on chemists. Salary, commission and expenses. State age and experience. Write 172/794, C. & D. Office.

SALES representatives (car owners) required by progressive firm of manufacturing chemists to call on works medical departments. Territories vacant: (a) Lancashire; (b) Yorkshire; (c) Midlands. Essential requirements. Experienced in ethical propaganda. Wide knowledge of pharmaceutical therapy. Surgical instruments, etc. Salary, commission and expenses. Applications, which will be treated in confidence, should give full details of experience, to 170/741, C. & D. Office.

SCOTT & TURNER, LTD., proprietors of Andrews Liver Salt, desire representation in Nottingham and Leicester areas. Excellent opportunity occurs for keen young salesmen. Good prospects. Superannuation. Residence on territory an advantage. Write, giving fullest particulars to Sales Director, Andrews House, Newcastle-upon-Tyne 1.

TABLET maker required by Sharp & Dohme, Ltd., Hoddesdon, Herts. Experienced in all operations including coating and familiar with high-speed machines. Five-day week. Apply Production Manager.

TRAVELLERS required to sell manufactured articles to chemists, hairdressers, retailers of household goods, as additional lines. Good commission basis. Must have excellent connections. Write Box 0-4011, A. K. Advertising, 212a Shaftesbury Avenue, W.C.2.

WHOLESALE distributors require fully experienced travellers (preferably car owners) for various territories. Calling on first-class chemists, stores and hairdressers. Only men with sound long-established connections need apply. Salary, commission and expenses. Reply fully (in confidence) as to previous experience, age, territory covered, if car owner, and when available. 167/645, C. & D. Office.

WELL introduced sales representatives required for high-grade luxury toilet preparations (nationally advertised), to be carried as additional on commission basis; to call on chemists, hairdressers and departmental stores for various provincial areas. Give references in first letter and name present lines carried. 114/612, C. & D. Office.

YARDLEY offer position of assistant sales manager, home trade. Only applicants possessed exceptional sales experience and organising ability will be considered. Age should not exceed 40 years. Applications will be treated as confidential. The position carries a substantial salary and opportunity. Apply by letter only, giving details of education and experience, to Yardley & Co., Ltd. (Ref. C. D.), 33 Old Bond Street, London, W.1.

YOUNG lady (unqualified) required by a small but well established North London firm to supervise manufacture and packing of medical preparations. Write giving particulars of age, experience, training and salary required. 172/714, C. & D. Office.

CLERICAL

GIRL Clerk required for the Circulation Department of this paper. Typing not essential but will be an advantage. Office hours 9.30 a.m. to 5 p.m. No Saturdays. Write in first instance, giving particulars of experience, age, etc., to the Sales Director, Morgan Brothers (Publishers), Ltd., Essex Street, Strand, London, W.C.2.

WHOLESALE (OVERSEAS)

ANGLO-BRAZILIAN Company with offices in Brazil, U.S.A. and France requires specialist, preferably chemist, with experience serving consumers, to assume charge resin sales department in Rio de Janeiro, superintending distribution through branches of surface coating, textile and ion exchange resins. Excellent future and highly paid position. Write, giving details of experience and qualifications, E. M. Owen, 15 Clarges Street, London, W.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

ASSISTANT (unqualified), 35, with 15 years' experience dispensing, counter, etc., also O.B.A.C. optician, desires part-time position in retail or wholesale. Available up to 8 p.m. Hours to be mutually arranged. London area only. 170/747, C. & D. Office.

DISPENSER-SECRETARY, lady, Hall qualification, available for residential appointment, hospital or doctors preferred. Good typist and excellent references. 170/745, C. & D. Office.

M.P.S. Northern Ireland, requires hospital experience in large hospital in England. State hours and commencing salary. 172/790, C. & D. Office.

UNQUALIFIED locum or permanency. Thoroughly experienced dispensing and counter prescribing. Good salesman. Tall, active. A, 2 George Street, Brighton.

WHOLESALE

ACTIVE, energetic agent requires good lines of wholesale, retail and multiple grocers/chemists North-west England. Office organisation. 172/803, C. & D. Office.

ADVERTISER with fifteen years' experience calling upon chemists and stores seeks position with reputable company. Salary and commission 171/786, C. & D. Office.

ADVERTISER with first-class general business experience, for many years buyer of chemists' industries, photographic and cosmetic goods. Accustomed to control of staff, seeks change. 171/781, C. & D. Office.

ATTENTION. Young man (29), public school and university education, 11 years' experience as medical and sales representative, Lancs, Yorkshire and adjacent countries. Contacts second to none, amongst medical, dental and pharmaceutical professions, seeks similar post. Excellent references. Available immediately. Write 171/779, C. & D. Office.

DOCTOR pharmacist, single, seeks situation with reputable pharmaceutical firm. Would consider going abroad. Excellent references and experience. 165/564, C. & D. Office.

CENTLEMAN, resident London, considerable experience negotiator and salesman, contacting manufacturing and retail trades, London and provinces, seeks appointment with manufacturing house's London or Colonial representative. Unimpeachable record. Highest references. Box 3, Strand House, London, W.C.2.

MEDICAL Pharmacist (39) desires appointment connected with pharmacy. Willing to travel broad. Experienced tropical medicine and pharmacy. Ex R.A.M.C. officer. 172/801, C. & D. Office.

PHARMACIST, married, desires sales post with established house. Useful and valuable contacts with doctors, chemists, hospitals and stores in North-west Counties and Yorkshire. References. 72/792, C. & D. Office.

QUALIFIED sales manager, capable, keen and energetic, seeks responsible appointment with firm of repute. Sound, all round experience. 71/787, C. & D. Office.

REPRESENTATIVE with first-class connection S. London, Kent, Surrey, Sussex, wishes to contact good-class firm; part or whole-time representation. 171/785, C. & D. Office.

SALES manager, qualified, first-class experience and records, successful turnover increase, seeks post with responsible firm. Aptitude for finding good travellers and training them. Advertising experience at high level. 170/727, C. & D. Office.

TWENTY years' connection amongst the chemists and druggists and co-operative societies in Somerset, Gloucester, Wilts, South Wales Valleys is now on offer. Commission basis. Only sound business houses dealt with. First-class references. 171/777, C. & D. Office.

YOUNG gentleman seeks appointment as representative to firm of repute. Preferably Yorkshire, or would go anywhere. Keen, smart, willing, plenty of sales ability. Conversant with medicine, perfumery, photographic. Commence immediately. 169/713, C & D. Office.

APPOINTMENTS

ASSISTANT DISPENSER required with Apothecaries' Hall qualification. National Joint Committee Salary Scale. Apply stating full particulars with copy testimonials to Superintendent, Royal Infirmary, Preston.

ROYAL VICTORIA INFIRMARY, NEWCASTLE-UPON-TYNE

Royal Victoria Infirmary, Newcastle-upon-Tyne (800 beds), (Teaching Hospital of the University of Durham) requires a PHARMACIST for locum duty (June to August), preferably with the Ph.C. qualification. Hospital experience will be an advantage but is not essential. Apply in writing giving full particulars of age, experience and previous appointments to Dr. A. W. Sanderson, House Governor.

2nd May, 1947.

ASSISTANT PHARMACIST required by Middlesex County Council for Chase Farm Hospital, Enfield, Middlesex. Must be registered. J.N.C. (Hospital Staffs), salary £370 p.a. incl; annual increments up to £450 p.a. Previous experience may determine commencing salary. Whole-time unestablished; medical examination. Application stating age, qualifications, experience, with copies of up to three recent testimonials to Medical Director of Hospital (quoting B.747CD). No forms. Closing date 17th May.

C. W. RADCLIFFE,
Clerk of the County Council.
Middlesex Guildhall,
S.W.1.

ASSISTANT PHARMACIST required by Middlesex County Council for Harefield County Hospital, Harefield, Middlesex. Must be registered. J.N.C. (Hospital Staffs), salary £370 incl.; annual increments up to £450 p.a. Whole-time, unestablished (may become established); medical examination. Application stating age, qualifications, experience, with copies of up to three recent testimonials to Medical Director immediately. (Quoting B726CD.)

C. W. RADCLIFFE,
Clerk of the County Council.
Middlesex Guildhall,
S.W.1.

BUCKS COUNTY MENTAL HOSPITAL, STONE, NEAR AYLESBURY

Applications are invited from registered pharmacists—ladies or gentlemen—for the appointment of PHARMACIST-IN-CHARGE (single hand). The hours and remuneration are in accordance with the J.N.C. Scale and the appointment is a non-resident one. Lunch and tea can be supplied at the hospital at a reasonable charge if required. The post is pensionable under the Asylums Officers' Superannuation Act 1909. Applications should be made as soon as possible to the Physician Superintendent. The application should include full personal particulars, copies only of testimonials and/or the names of two professional references with recent knowledge of the candidate's work.

CORPORATION OF WILLESDEN

APPOINTMENT OF PHARMACIST

Applications are invited for the following appointment:— Assistant Pharmacist. The salary will be in accordance with the Joint Negotiating Committee at the rate of £370 per annum, rising by four annual increments of £15 and one increment of £20 to a maximum of £450. The work will be carried out at the hospitals and health centres and previous experience will be taken into consideration in determining the commencing salary. The appointment is terminable by one month's notice on either side and is subject to the provisions of the Local Government Act 1937, to the regulations governing officers of the Council, and to a satisfactory medical examination. Off duty is granted one Saturday morning in every three. The candidates appointed will work under the direction of the Chief pharmacist. Forms of application may be obtained from the Medical Officer of Health, Health Department, 54 Winchester Avenue, Kilburn, N.W.6, to whom they must be returned marked "Pharmacist" not later than 28th May, 1947.

R. S. FORSTER,
Acting Town Clerk.

Town Hall,
Dyne Road,
Kilburn, N.W.6.

COUNTY BOROUGH OF WEST HAM

ASSISTANT PHARMACIST (MALE)

Applications are invited for the above post at Central Home, Union Road, Leytonstone, E.11, and Forest Gate Hospital, Forest Lane, Forest Gate, E.7 (joint appointment).

Candidates must be registered pharmacists.

Salary for the post is £370 per annum rising by annual increments to £450 per annum. Commencing salary according to experience.

This is an established superannuated post and the successful candidate will be required to pass a medical examination. Service conditions are in accordance with the recommendations of the Joint Negotiating Committee (Hospital Staffs) and are also governed by the Council's regulations.

Applications, stating qualifications and experience, together with copies of two recent testimonials, to be sent to Medical Officer of Health, 225 Romford Road, West Ham, London, E.7, not later than 15th May, 1947.

LOCUM ASSISTANT PHARMACIST (MALE)

Vacancy exists for above for immediate duty at the above-mentioned hospitals (joint appointment).

Salary £8 8s. Od. per week.

Applications stating qualifications and experience to be sent to Medical Officer of Health at above address.

KENT COUNTY COUNCIL

ASSISTANT PHARMACIST

Applications are invited for the following appointment at the County Pharmacy, County Hall, Maidstone.

ASSISTANT PHARMACIST (M.P.S. or Ph.C.) (Male) Hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,

Clerk of the County Council.

County Hall,
Maidstone.

10th April, 1947.

KING'S COLLEGE HOSPITAL,

DENMARK HILL, S.E.5

ASSISTANT PHARMACIST required. Salary in accordance with the J.N.C. revised scale. Federated superannuation scheme in force. Also required; Locum Tenens ASSISTANT PHARMACIST for 14 weeks from June 23, 1947. Salary 8 guineas per week. Applications, with details of experience should be sent to The Pharmacist at the above address.

LONDON COUNTY COUNCIL

ASSISTANT PHARMACIST required for duty at West Park Hospital, Epsom, Surrey. Candidates must be Registered Pharmacists. Salary £370, rising to £450 a year. Commencing salary according to experience. For application form returnable by 26th May, 1947, send stamped addressed foolscap envelope to Medical Officer of Health (MHS/I), Public Health Department (Mental Health Services), County Hall, Westminster Bridge, S.E.1. (1369).

LONDON COUNTY COUNCIL

PART-TIME ASSISTANT PHARMACIST required for duty at Tooting Bec Hospital, Tooting Bec Road, S.W.17. Candidates must be Registered Pharmacists. Salary five shillings an hour for a maximum of 21 hours a week. Apply to Medical Officer of Health (MHS/I), Public Health Department (Mental Health Services), County Hall, Westminster Bridge, S.E.1. (1368).

LONDON COUNTY COUNCIL

PHARMACISTS (LOCUM TENENS) required by London County Council at mental hospitals and institutions in Greater London Area during summer. Remuneration 8 guineas a week, plus cost-of-living addition (34s. 6d. men, 27s. 7d. women). Hours of duty 39 a week. Apply to Executive Officer (MHS/B), Mental Health Services, County Hall, Westminster Bridge, S.E.1. (1386.)

MIDDLESEX COUNTY COUNCIL

Requires:—(a) Two ASSISTANT PHARMACISTS, Redhill County Hospital, Edgware, Middlesex; (b) ASSISTANT PHARMACIST, Central Middlesex County Hospital, Park Royal, N.W.10; (c) ASSISTANT PHARMACIST, North Middlesex County Hospital, Edmonton, N.W.18. Must be registered. Salary £370 x (4) £15 and (1) £20 to £450 p.a. incl. Previous experience as assistant pharmacist may determine commencing salary. Whole-time established, pensionable, subject to medical examination. Application stating age, qualifications, experience, with copies of up to three recent testimonials to Medical Director, of appropriate hospital, immediately (quoting B.720CD.) No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,

S.W.1.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at:—EPSOM COUNTY HOSPITAL, Dorking Road, Epsom.

Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. incl. Applications in writing, stating age, qualifications and experience, with a copy of not more than three recent testimonials, should be sent to the Medical Superintendent of the Hospital.

ROMFORD JOINT HOSPITAL BOARD

RUSH GREEN EMERGENCY HOSPITAL, ROMFORD

APPOINTMENT OF PHARMACIST

Applications are invited for the post of whole-time Pharmacist, male or female, at the above Hospital. Salary at the rate of £420 per annum, rising by 5 annual increments of £15 to a maximum of £495 per annum. In the case of women applicants resident accommodation, for which a charge will be made, can be provided.

The appointment is subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937.

Applications, stating name, age, nationality, qualifications and experience, together with copies of two testimonials to be sent to the Clerk of the Board, Rush Green Hospital, Romford.

ERNEST E. TAYLOR,
Clerk of the Board.

Clerk's Office,
Rush Green Hospital,
ROMFORD, Essex.

SURREY COUNTY COUNCIL

HEAD PHARMACIST required at St. Peter's Hospital, Chertsey (470 beds). Applications are invited for the above permanent appointment. Candidates must have had wide experience in hospital dispensaries. Salary grade £520 x £20 — £620 p.a. inclusive.

Applications by letter, stating age, qualifications, experience and present appointment with a copy of not more than three recent testimonials, should be sent to the County Medical Officer, County Hall, Kingston-on-Thames, by 7th May, 1947.

AGENCIES

2/6 for 36 words or less, 3d. for every additional word

BUYING Agent with establishment in Düsseldorf, Frankfurt/Main and Willingen/Waldeck, with agents in all German zones wishes to make contact with British Importers of wide variety of equipment and goods. Highly recommended. Please communicate in the first instance with Henry J. Sydney & Co., Solicitors, 2 Renfrew Road, S.E.11.

OLD established sales agents carrying high class cosmetics throughout the U.K., N. Ireland, Eire, desire to contact manufacturers of sound non-clashing lines. Area divided into 29 territories all systematically covered by expert sales staff. 71/780, C. & D. Office.

REPRESENTATIVE calling on hospitals required to undertake additional agency for manufacturer of hypodermic syringes. Lancashire and Cheshire. Remuneration by commission. Apply with full details of qualifications, experience and other lines handled. 171/773, C. & D. Office.

WHOLESAVERS required. Area wholesalers required specialising in chemists' sundries to distribute new line to chemists, and large stores, etc. Wholesalers must have excellent coverage over their particular area. Please reply to 171/782, C. & D. Office.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 3d. for every additional word

AMORTGAGE ADVANCE on your house, shop, or other property, is the cheapest, safest way of raising capital. Loans on today's higher valuations repay existing mortgage (if any), providing cash balance. Repayment up to 25 years; 4 per cent. per annum interest. Debt cancelled in event death; additional income tax rebates; net monthly cost from 8/10 per £100 advanced. Low initial expenses. Also better mortgages for purchasers; full price advanced to tenants buying private house now rented. Any part U.K. Free advice or quotation (state age, and brief details) from leading City Mortgage Brokers. Andrews and Partners, Dept. T.3, 38 Great St. Helen's, Bishopsgate, E.C.3. (AVENUE 2808/9).

AUSTRALIA. Old-established firm of distributing Agents handling ethical and advertised medicinal proprietaries, cosmetic and toilet lines open to consider additional reputable agencies. Technical Director of company will visit England during April, May. Interested firms please advise "Ajax," 164/534, C. & D. Office.

DISTRIBUTORS of perfumes, cosmetics, etc., invite wholesalers to apply for range of samples and the keenest of prices for fast selling quota lines. Apply 170/721, C. & D. Office.

DISTRIBUTORS with showroom (Piccadilly Circus) and West End warehouse offer portion of these excellent facilities to small manufacturer or distributor. Willing to undertake despatch of goods (delivery by own van within radius five miles Piccadilly Circus) also office duties, book-keeping, etc., by experienced staff. 172/797, C. & D. Office.

EIRE. Distributors with excellent showroom and warehouse in Dublin, offer use of these facilities to small manufacturer or distributor. Efficient distribution of high class toilet, cosmetic and perfumery lines can also be given over the whole of Eire. 172/798, C. & D. Office.

J. & J. JENKINS & Associates, Ltd., can now offer further capacity for making and/or filling and finishing liquid preparations and creams. 78 Bollo Bridge Road, London, W.3. Acorn 4386.

NATION-WIDE sales organisation with remarkable record of successful merchandising is open to consider one or two lines. Only branded lines offering possibilities of big permanent business are of interest. Box S.551, c/o Erwoods, Ltd., 211 Piccadilly, London, W.1.

QUOTA, toilet and perfumery. Advertiser is prepared to purchase small or large amounts. G. P. Hughes, Sicilian House, Sicilian Avenue, W.C.1 (Holborn 0039).

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word

FINANCIAL HOLDING COMPANY seeks to purchase outright, or acquire the controlling interest in an established pharmaceutical business, marketing one or more nationally advertised lines, and making substantial profits. The purchase of a business dealing in toilet articles and cosmetics would also be considered. Existing management could be retained on a long term contract if considered desirable. Write in strict confidence to 166/598, C. & D. Office.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word

FOR sale, old-established chemists' business in vicinity of Ely. Wine and spirit licence. Lease would be granted for 21 years at rent of £80 p.a. Premises consist of shop, warehouse, cellar and flat for residence over the shop. Average turnover £5,000 p.a. Reason for selling, ill-health of owner. Amount required £3,000. Approximate value of stock £900. Apply, Parkin S. Booth, 14/17 Holborn Viaduct, London, E.C.1.

HERBALIST and Hygienic rubber stores, Main street position. No opposition. Opportunity to add chemists and photography. Rent only £100 a year exclusive. Shop, kitchen, study, sitting-room, bathroom, 4 bedrooms, brickbuilt warehouse at rear, side entrance. Electric and gas. Phone, etc. 21 years' lease. Good trade, guaranteed more than a living. Price for goodwill, fixtures, fittings, stock cases, everything, and long lease, vacant possession when required, £2,500 or near offer. No triflers need apply. Stamped addressed envelope for reply, 171/772, C. & D. Office.

WANTED

7/6 for 36 words or less, 2d. for every additional word

BOTTLES wanted. 26-oz. cordial or wine type, and $\frac{1}{2}$ and 1-oz. essence bottles. Please quote for small or large quantities, to A. E. Bevan, Ltd., 20A Hall Street, Southport, Lancs.

EDIBLE sheet and powdered gelatin required in large quantities. 147/851, C. & D. Office.

GLYCERINE wanted any quantities taken of B.P. quality. Cash by return. State quantity available and price required to 157/296, C. & D. Office.

MANUFACTURERS require supplies of Stearic Acid and Glycerine, B.P. Best prices paid for any quantity. Write, 166/614, C. & D. Office. **O**NE million or less saccharin tablets, bulk or packed, standard strength, required by old established pharmacist. Best price offered. 172/800, C. & D. Office.

Q.P. hand and power emulsifiers in any condition. Please state price and condition. 125/982, C. & D. Office.

REQUIRED urgently, saccharin and sweetening tablets, bulk or packed. Best price paid against pro-forma invoice. J. Thomas (Garstang), Ltd., Market Place, Garstang, Nr. Preston.

SACCHARIN tablets (standard strength) required urgently. Large or small quantities. State price. E. Pyke, M.P.S., 127 North Road, Preston, Lancs.

SACCHARIN tablets wanted in any quantity, regular supplies for cash, by proprietor busy country pharmacy. 169/697, C. & D. Office.

SACCHARIN tablets. Regular supplies of standard strength tablets required in bulk or packed. Please send samples, if possible, with quotation. 170/739, C. & D. Office.

SACCHARIN tablets wanted. 8/3 per dozen offered, 10 or 20 gross lots, cash against pro-forma; also interested in sweeteners packed and saccharin in bulk. Lindsay, "The Grange," Oakland Road, Forest Town, Notts.

SACCHARIN Tablets. Pharmacist, proprietor of a good-class single pharmacy, would be glad to obtain regular supplies of standard strength saccharin tablets in bulk or packed. Write in strictest confidence to 166/605, C. & D. Office.

STEARIC acid triple pressed required in large quantities. 147/850, C. & D. Office.

SUPPLIES urgently wanted of paradichlorbenzene, benzoic acid, salicylic acid, lactose, triple pressed stearic acid, glycerine, B.P., lanolin and vanillin. Offers in detail to 171/755, C. & D. Office.

TRADE MARK required for pharmaceutical products, goodwill not required. If you have one you are not using, send particulars and lowest price, to 171/776, C. & D. Office.

WANTED. Machine for sifting and blending dry powders; Gardner's make preferred; full particulars to 171/769, C. & D. Office.

4-OZ FLATS, 2½-oz. tobins urgently required by packers, pharmaceuticals only. Lots, large or small, or regular supplies. Price, free on rail, delivery date, quantity. Ulster Pharmaceuticals, Ltd., Carrickfergus. Phone 2294.

26-OZ. and 13-oz. wine or champagne bottles required. 625/524, C. & D. Office.

MISCELLANEOUS SALES

1½ for 36 words or less, 3d. for every additional word

BLACK bakelite phials 3½ x ½ with screw-on lid. Small spatulae threaded to washer inside, to be cleared at bargain price. General Trading Corporation, Ltd., 203 Ulster Chambers, Regent Street, London, W.1.

DRUMS. For disposal large quantity unused galvanised steel drums, capacity 33 gallons, 4 ft. x 16 in. diameter at 15s. each. Ideal for oils and liquids. 172/824, C. & D. Office.

ENTIRE stock and fixtures, plate glass cases and shelves. Drug run, 120 drawers with gold glass labels and glass knobs. 365 gold label bottles from 10 oz. to quart. All cases and woodwork solid mahogany. Suit multiple or large firm. 170/744, C. & D. Office.

FOR SALE, one ton sulphonated olive oil. Offer to Bowmans (Warrington), Ltd., Widnes.

FOR SALE. 200 gals. mineral oil (technical) best offer. 170/749, C. & D. Office.

LIQUID soapless detergent. Industrial strength 500 gallons only available. 120/- per 112 lbs Cash with order. Astrabloom, Ltd., 100 Rossite Road, S.W.12.

OIL. White mineral oil, surplus for disposal. 5 gal cans. Carriage paid. Cans free. 12/- per gal. M. E. & Co., Ltd., 589 High Road, London, N.12. Hil 5806.

SURPLUS sulphur tablets, lime, mint, raspberry, orange. Aspirin tablets grv. Sod. salicyl. Ext. quassia. Ext. Tarax. Podoph Resin. Capsicin. Cherry essence (emulsion). Small celluloid boxes. M.P.S., 1a Newthorpe Street, Nottingham.

SURPLUS stock malt extract in 1-cwt. containers.

S Bulk aspirin tablets, phenacetin, phenolphthalein, aspirin gran. What offers? 171/768, C. & D. Office.

WHALE oil. 15/6 per gallon, in 10 or 5-gallon drums. Carriage and containers free. 5-gallon drums X.L. motor oil £1. 35 Ripple Road, Barking, Essex.

WHITE screw cap jars, 4-oz. 300 gross external diameter 2½ in., height 2½ in. Over 100 gross enamel caps and waxed wads for same. Sample on receipt of 4d. stamps. Write Box C363, c/o Streets, 110 Old Broad Street, E.C.2.

2 CWT.S. Phenacetin, 2 cwt.s. aspirin. Surplus to requirements. 171/771, C. & D. Office.

500 GROSS 3½-oz. toilet bottles, without caps, C. & D. Office.

EXPORT TRADE

EXPORT. Manufacturer of exquisite perfumes, surpassing Parisian products, also full range of exclusive beauty preparations, face creams, face powder, talcum powder, baby powder, block rouge, lipsticks and mascara, at competitive prices, invites enquiries from interested exporters. 168/678, C. & D. Office.

SALES BY AUCTION

VACANT POSSESSION
FREEHOLD FACTORY OR WAREHOUSE
situated at

18 VICTORIA PARK SQUARE,
BETHNAL GREEN, E.2,
opposite Central London Tube Station, within
10 minutes of City and West End, comprising
a substantially constructed, north lighted, single
storey Brick Building having a
FLOOR SPACE OF 5,500 SQUARE FEET.
To be offered for Sale by Auction (unless previously Sold) at The London Auction Mart,
155 Queen Victoria Street, E.C.4, on 3rd day
of JUNE 1947.

Solicitors: Messrs. Bachelor Foord & Co.,
48 Cannon Street, E.C.4.

Auctioneers: Messrs.
HENRY BUTCHER & CO.,
73 Chancery Lane, W.C.2.
Tel. HOL. 8411.

TRADE MARKS

TO owners of trade marks. Manufacturing chemists are interested to purchase trade marks which are registered but are not being used. Please send names of marks and other details to 171/766, C. & D. Office.

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

or RETAILER—WHOLESALE—MANUFACTURER

Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire, and foreign countries

Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

VOL. CXLVII MAY 10, 1947 NO. 3507

An Authoritative Judgment

THE judgment of the Court of Appeal in the case reported in our last week's issue (p. 484), allowing the appeal of Potter & Clarke, Ltd., against part of the judgment of Mr. Justice Wynn-Parry in the Chancery Division (C. & D., 1946 II, 587), is a model of lucid and masterly exposition. In the event of an appeal to the House of Lords by the respondents, the Pharmaceutical Society of Great Britain, the angle of approach may differ somewhat from that of counsel for the Society in the Court of Appeal; and till a decision about a further appeal is made, we must confine our comment to an analysis of the present judgment. It will be remembered that in the "friendly" action in the Chancery Division five substances were submitted, and that in respect of two of them, senna pods and lemon and squill linctus, no appeal against the judge's decision was lodged. The other three substances, forming the subject-matter of the appeal, were: (1) Fluid extract of cascara sagrada, B.P., labelled with a trade-mark brand and a dose; (2) compound rhubarb pills, labelled with a dose and a vendor's name and address; (3) "Extra Strong Effervescent Powders," labelled with directions for use and a vendor's name and address, and held out as a war-time substitute for Seidlitz powders. The judgment of the Court of Appeal may be regarded as consisting of two parts—the first a consideration of the purely legal, "abstract" meanings of the terms used in the Pharmacy and Medicines Act, 1941, under which the test case was brought; the second

an interpretation of the purport of the 1941 Act (or, more exactly, of such parts of it as have a bearing on this case) in the light of previous legislation affecting medicines.

Abstract Meaning

The judgment of the Court (the Master of the Rolls, Lord Justice Asquith and Lord Justice Cohen) was delivered by Lord Justice Asquith. In an early passage his Lordship read or summarised the relevant provisions of the Act, especially parts of Sections 11, 12 and 17. For our present purpose it will suffice to cite the marginal descriptions of the first two of these sections in the printed Act and to quote the effective part of the third. Section II is described marginally as "Disclosure of composition of medicines," and Section 12 as "Restriction of sale of medicines by unauthorised persons." Section 17 (I) includes the following:

"substance recommended as a medicine," in relation to the sale of an article consisting of or comprising a substance so recommended, means a substance which is referred to—

(a) on the article, or on any wrapper or container in which the article is sold, or on any label affixed to, or in any document enclosed in, the article or such a wrapper or container; or

(b) in any placard or other document exhibited at the place where the article is sold; or

(c) in any advertisement published after the passing of this Act by or on behalf of the manufacturer of the article or the person carrying on the business in the course of which the article was sold, or, in a case where the article was sold under a proprietary designation, the proprietor of the designation; in terms which are calculated to lead to the use of the substance for the prevention or treatment of any ailment, infirmity or injury affecting the human body, not being terms which give a definite indication that the substance is intended to be used as, or as part of, a food or drink, and not as, or as part of, a medicine.

The Court held that the true construction of the relevant words quoted was that of

the appellants, and proceeded to give reasons. Briefly summarised, this part of the judgment dealt with the terms of reference (i.e., on the labels), and with the improbability of Parliament imposing on vendors the duty of gauging the knowledge of the public on medicines and on the ailments which these medicines were supposed to remedy.

The second part of the judgment included a survey of legislation on patent and proprietary medicines, beginning with the Medicines Stamp Act of 1812. Among the passages quoted was one from Alpe's "Handy Book of Medicine Stamp Duty," published in 1888 at the offices of THE CHEMIST AND DRUGGIST, and now out of print. The passage reads:

"... it is a good general rule that a medicine is liable to duty if the description is one that would enable a purchaser unacquainted with the virtues and efficacies of the drugs of which it is composed to doctor himself for any ailment, or class of ailments. The holding out or recommendation may be conveyed by the title, as 'corn cure,' or in the body of the description, or even in the directions for use. The holding out or recommendation must be for some ailment, or class of ailments; that is to say, some ailment or class of ailments must be indicated or mentioned."

This passage, it was agreed between counsel, represented the practice of the Commissioners administering the medicine-stamp duties. It does not seem to have occurred to anyone in court, when the third "exhibit" was mentioned in this connection, that the mineral-water exemption, extended by a court decision in 1877 to solid ingredients like those of Mr. Lamp-lough, would have applied in this case prior to the repeal of the Medicines Stamp Acts. Having dealt with the background of the 1941 Pharmacy and Medicine Act, the Court inquired into its policy. Certain provisions mentioned suggested no consistent scheme of inhibiting the unqualified but rather an intention to preserve a balance between the various interests involved. His Lordship remarked that this parcelling out of spheres of influence and consolation prizes was utterly repugnant to the opera-

tion of any clear-cut principle or policy. The meaning of the terms of the 1941 definition was therefore, in the view of the Court, not affected by a comparison of the Act with the laws on which it was superimposed. And in a King's Bench case (reported in the *C. & D.*, 1942.363,389) it had been held—that the decision was not binding on a higher court—that the words "any ailment" meant some specific ailment or ailments. For all these reasons the appeal was allowed. Manufacturers and other vendors of medicines will no doubt consider the wording of labels with due care.

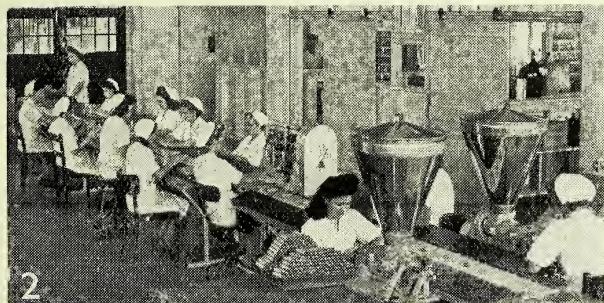
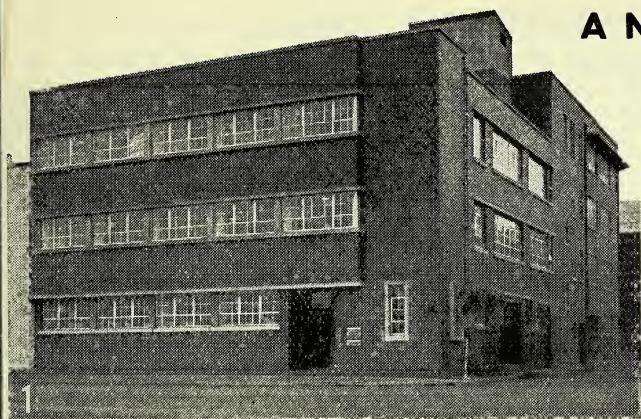
Britain's Export Prospects

At the annual meeting of the Import and Export Merchants' Section of the London Chamber of Commerce, held recently, Mr. P. G. Donald (chairman) made a report on a business tour overseas. Mr. Donald said that the present, but fast disappearing, seller's market had hitherto simplified sales for British exporters. This condition could not last indefinitely, and overseas competition was very evident and getting stronger. In Malta, Palestine, Cyprus and Egypt, Mr. Donald had found that quantities of consumer goods were being imported from the U.S., most of which Britain was capable of supplying. In South Africa large U.S. supplies had been steadily arriving, for although the Union was nominally in the sterling area, with gold at \$35 an ounce she was able to trade freely with the dollar areas. American goods were in many cases finding their way up to Rhodesia. Of the many issues raised during his journey, the most persistent Mr. Donald said, was that of "prices ruling at date of dispatch." Preference was given to "firm" local or foreign quotation at higher prices.

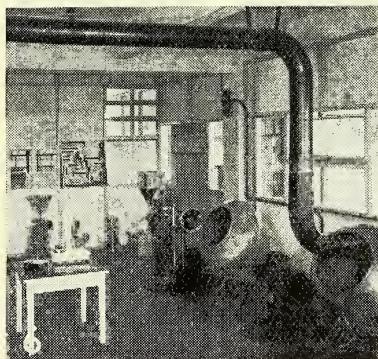
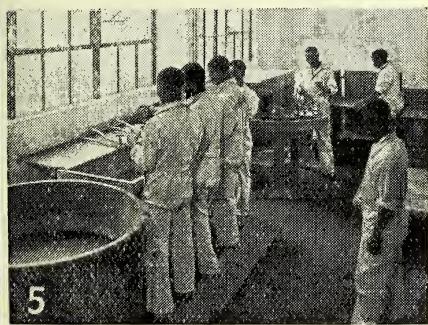
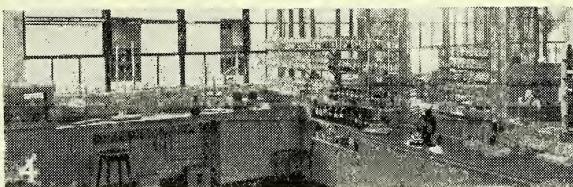
Mr. Donald had found many adverse factors similar to those existing before the slump after the first world war, including the mushroom development of import firms lacking knowledge, reputation and business responsibility who had set out to exploit the short market. Their policy of duplicating orders to several sources of supply, and accepting only those which arrived on a profitable market, had overloaded works' order books and inflated prices.

A NEW FACTORY IN SOUTH AFRICA

New building erected at Cape Town by Fassett & Johnson, Ltd., for the production of proprietary preparations.



1. General view of the new building.
2. The filling room.
3. At work in one of the packing departments.
4. Analytical laboratory.
5. Bottle washing.
6. Tablet punching and coating machinery.



INDUSTRIAL TAPES

Their applications in package-sealing and manufacture

INDUSTRIAL tapes have been evolved from the familiar zinc-oxide plaster, and the first tapes were merely made of thinner and less expensive cloth. Since then knowledge has grown considerably, and today many different materials are utilised. The war did much to advance the technique of their manufacture, and to extend their application. New uses for them are being appreciated every day. The ease with which they can be applied—only finger pressure is necessary to obtain adherence to any clean, dry surface—their general efficiency and attractiveness have ensured their enthusiastic acceptance in the packaging field. Lasso tapes, manufactured by Herts Pharmaceuticals, Ltd., Welwyn Garden City, and one of the few British products shown at the St. Erik's Fair, Stockholm, during 1946, are extremely pliable and mould themselves neatly round awkward shapes. They are used for sealing closures of bottles, tins and containers of all types for chemicals, perfume, food,



Display of Lasso products exhibited by Herts Pharmaceuticals, Ltd., at St. Erik's Fair, Stockholm, Sweden, 1946



Use of Lassolastic tapes in packaging

confectionery, etc. The efficiency of the seal prevents loss of freshness and aroma, or contamination from dust, moisture or fumes. Most items in the Lasso range of sealing tapes can be printed with a name or slogan at intervals along their length,

and this adds greatly to their smartness and advertising value.

Other uses for Lasso tapes include the sealing of sterilised dressings and instruments, and sealing vents for protection against dust and damp. One aspect which gives them an especial value is that they are an excellent first-aid against breakage. For the temporary repair of bottles, pipes, furniture, toys, and even tyres, a roll of self-adhesive tape is ideal.

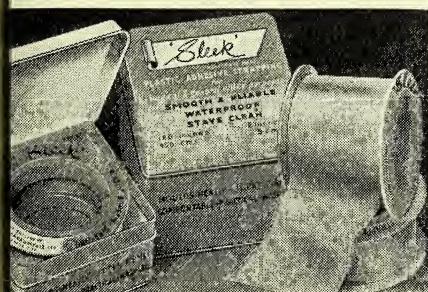
Printed Tapes

Printed self-adhesive tapes offer a world of possibilities in the field of labelling and identification. During the war their use assisted the production drive for aircraft by providing a quick and efficient means of identifying the mass of wires and pipes which go to the making of a modern aeroplane, and this aspect is being enlarged to cover many peace-time uses. Either as a simple colour code or printed with any desired wording, Lasso tapes are easy to apply, easy to see and proof against erasure. They can be used either as a temporary marker or as a permanent label. Their application speeds up production and simplifies maintenance and repair work. Varieties are available that have resistance to chemicals and aqueous solutions. One kind, Lassolastic, is highly resistant to moisture, petrol, oil, etc., is stable in temperate and

optical climates, and has good electrical properties. Though thin, it has a high tensile strength, is pliable and easily moulded around shaped objects. Other types are Lassovic, a tape with polyvinylchloride sheet base, which is of high tensile strength and extremely pliable; Lassophane, with viscose film base, thin and inexpensive; Lassothyl, with ethyl cellulose base, waterproof and highly resistant to passage of moisture vapour; Lassothene, with polyethylene film base, outstanding electrical resistance and largely proof against water, aqueous solutions of chemicals and to most organic solvents; Lassotex, with cotton cloth base impregnated with plastic composition, which is strong and waterproof; Lassofibre, with non-fraying glass-cloth base, which retains its outstanding tensile strength at high temperatures, and is fireproof; and Lassoland, with cotton-cloth base, strong, easily handled, and inexpensive. The principal uses of Lassoband are in the binding of packages likely to be subject to rough usage, and in the sealing of hygroscopic chemicals and of foodstuffs.

Surgical Tape

The outstanding demand that has been encountered for self-adhesive tapes in industry has in no way lessened the company's interest in surgical adhesive tapes.



Under the name Sleek is issued a material which is available for use where a completely occlusive dressing is required or where a minimum of interference is essential. The zinc oxide adhesive is spread on a thin but strong plastic strapping which conforms to the skin without discomfort, is waterproof, oil-resisting, impervious to frequent washing, and non-fraying. It has no tendency to get wet or soggy and the smooth, shiny surface is resistant to dirt and stains. Sleek is therefore particularly valuable in occupations where hands are liable to become soiled.

THE "TOOTHBRUSH" TREE

PROBABLY few people are aware that the African native, whose strong, white teeth are believed by many people to be a hereditary asset, are, in fact, submitted to regular cleaning. The material used, at any rate in north-east and east-central Africa, is a length of stem of the shrub *Salvadora persica*. By the natives the plant is called Msuwaki, and they select pieces of stem about 12 in. long and as thick as one's little finger. One end of the stick is sliced and burred to form a kind of coarse paint-brush, and with this the teeth are vigorously rubbed. Msuwaki sticks are in great demand, though rarely seen for sale in the larger markets. There is usually a friend who knows of someone who has a supply, or word goes round that sticks are available in a village barter market. They pass inconspicuously from hand to hand, and a European may live in Africa for many years without seeing one or being aware of its use. Although most native tribes live in well-watered regions at great distances from where the *Salvadora* bush grows, all use the Msuwaki stick, although there seems nothing specially characteristic in either its fragrance or its taste. Other plants could presumably be made use of for the same purpose, yet the natives will have none of them. Does the *Salvadora* plant possess some special property? It is possible that chemical analysis would yield useful information, but no investigation, other than of the seeds, appears to have been carried out by European workers.

The *Salvadora* bush, which is described as the "toothbrush tree" in various textbooks describing the flora of Africa, is related to the holly tree of Europe, to which, however, it bears little resemblance. The bush flourishes on the fringes of Abyssinian deserts, is present in the Sudan and throughout north-east and central Africa. It grows only in the arid regions, which are the natural habitat of the Egyptian locusts, who feed upon the evergreen before their swarming phase sends them questing far and wide into other areas.—A.E.E.H.



Salvadora persica

NORTH BRITISH EXECUTIVE

A MEETING of the Executive of the North British Branch of the Pharmaceutical Society was held in Edinburgh on April 23, Mr. Alexander Murray in the chair. The minutes of the previous meeting, held on March 30, were approved.

THE CHAIRMAN announced with regret the death of Dr. R. Stewart MacDougall, who had been for many years a member of the Scottish board of examiners and a frequent contributor to evening scientific meetings of the branch. The annual statement of accounts to December 1946, as transmitted to the Council of the Society, was submitted. It was reported that, as the attendance at the July examinations was likely to be greater than during the war years, the following examiners had been added to the board:—Messrs. John Dall, Edinburgh; Eric Knott, Edinburgh; Robert McEwan McCrone, Coatbridge; George Robert Milne, Glasgow; and Professor James Robert Matthews, Aberdeen. Dr. TAIT reported that he had attended the national centenary meeting of the Educational Institute of Scotland on April 18.

MR. A. A. MELDRUM said that the Society's Council had given full consideration to the date on which examinations could be taken under the old conditions, and had agreed to review the matter in 1950 when, if necessary, the date might be further postponed. After discussion the Executive, which had already sent a report on the Education Committee's proposals to the Council, decided that the matter should be kept in view for reconsideration in 1949-50.

It was moved by MR. CULBERT, seconded by MR. MCADAM, and agreed that the next election for the Executive should take place on June 25, and that the chairman and vice-chairman should be appointed scrutineers of the voting papers, with power to add to their number. It was agreed that the chairman and resident secretary should complete their annual report and forward it to the Council.

Divisional Secretaries

A list of *Divisional Secretaries* for appointment by the Council for 1948 was approved. The following alterations in the previous list were incorporated:—Edinburgh North, Mr. J. S. S. Tully, 105 Broughton Street, Edinburgh; Camlachie, Mr. J. L. Taylor, 524 Alexandra Parade, Glasgow; Bothwell, Mr. J. G. Harthill, 111 Main Street, Uddingston.

THE RESIDENT SECRETARY pointed out that apprentices or students wishing deferment of call-up under the National Service Acts should carry out the instruction given in various forms supplied by the Ministry of Labour and National Service. When registering at the local office of the Ministry they should ask for leaflet N. L. 1 which gives full instructions on how to apply for deferment.

THE RESIDENT SECRETARY pointed out that the Penicillin Bill was necessary, not because of the shortage of supplies, but because of the dangers to the public of indiscriminate and inadequate dosage of penicillin. It was therefore thought necessary to continue restrictions so that pharmacists should dispense penicillin only on prescription.

BUSINESS QUERIES AND ANSWERS

Proprietor's Wages Claimed as Expense

In a business which is conducted as a limited company, wages of a director acting virtually as an employee of the business may be included as an expense in return for income-tax purposes. Where a business is under a sole proprietor, his wages or drawings are not allowable as an expense. [Corrected note.]

Recording Purchases, Sales, Etc.

"I am looking for a way of keeping reasonably accurate records of stock sales and purchases so that the general state of business can be gauged at any time, but I do not want it to entail too much detailed clerical work. I should be pleased for your help."—G.F.B.

The volume of detail work can be reduced by the use of forms for recording stocks, purchases and sales, and standard forms can be obtained for showing the balance on hand of each description, and the rate of consumption. The forms can be arranged in a binder in any desired order, and index sheets bearing plain projecting tabs can be obtained to show suitable titles, the main sections being subdivided, if required, by the use of auxiliary tabs at the side or bottom edge of the binder. The same applies to sales and purchases, and several firms now supply forms that have been specially prepared with suitable rulings.

PETROLEUM CHEMICALS

RODUCTION in Britain from petroleum of pharmaceutical and cosmetic chemicals, synthetic drugs, insecticides, fungicides, plant growth-promoting substances, solvents, disinfectants, sodium higher alkyl sulphates (or use as soapless detergents) and other products, is planned by the Shell Chemical Co., Ltd., London. New plant at Thornton-le-Moors, Cheshire (to produce 4,000 tons of solvents, etc., annually); at extensions at Stanlow, Cheshire (to give total annual output of 50,000 tons of detergents, etc.); and at extensions at Shell Haven, Essex (to give a total annual output

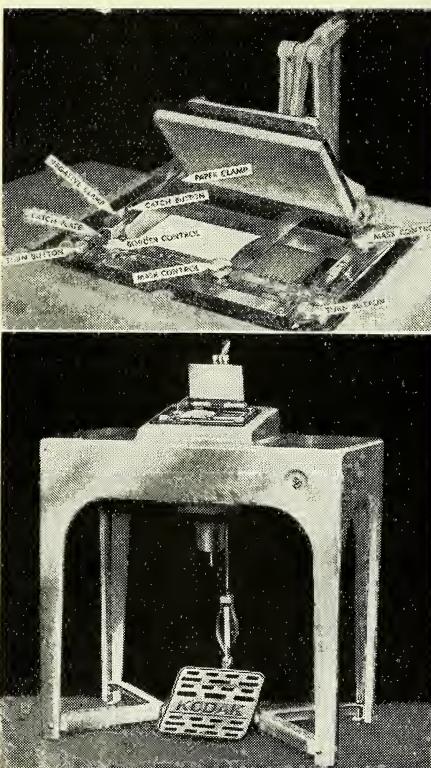


Model of new plant to be built at Thornton-le-Moors for manufacture of chemicals from petroleum.

f 30,000 tons of fungicides and agricultural products) are envisaged. Research on horticultural and agricultural products derived from petroleum, and on entomology, mycology, plant physiology and plant helminthology (the study of eel worms), is to be conducted at a recently purchased farm at Woodstock, Kent. At Thornton-le-Moors the process to be used is that of cracking a petroleum base at temperatures up to 400°C., when olefines, mainly ethylene, propylene and butylene are produced, while the manufacture of detergents at Stanlow is to be based on the vapour-phase cracking of wax to produce higher olefines from which the sodium higher alkyl sulphates are synthesised. By the use of automatic methods of control, etc., it will be possible to run the Thornton plant with as few as 100 employees. The solvents produced, the company states, will be complementary to those produced from coal and molasses. The manufacturing operations are to be carried out by the Shell Chemical Manufacturing Co., Ltd., while Shell Chemicals, Ltd., will market the products in Britain. Some of the products are for export.

A NEW PHOTO-PRINTER

A NEW model (Model 2) of the Kodak A printer, first introduced in 1931, has been introduced by Kodak, Ltd., Harrow. Mechanical improvements include: Special provision for holding single negatives with



narrow-cut borders; improved catch mechanism on negative and paper clamps for easier operation; spring-coupling to treadle, to absorb shocks at printer head. The apparatus employs standard electric lamps to fullest advantage in a novel circuit. The filament of the printing lamp is kept warm by the passing of enough current to heat it, but not enough to cause it to glow to incandescence. In consequence the full power (in lumens) of the printing lamp is developed immediately after switching-on, and the serious inconsistencies of light output that result when a lamp is switched on from cold are avoided. The A printer thus operates with short exposure times, resulting in a greater output.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Ceremonial "Liquidation"

SIR,—The suggestion of Mr. Daly, M.C.P.S.I. (C. & D., April 19, p. 440) that the registered druggists of Eire should be "liquidated" is clear, concise, practical and final. I would suggest that the *modus operandi* be the mortar, not the pestle, as in the case of the passing out of the Ph.C.s, and that the point of contact be the cranium and not the clavicle: up high and down heavy. My one phobia now is not the atom bomb, but—shall we have to wear gowns for the liquidation ceremony?

Yours faithfully,
R. D.

Ex-Service Pharmacists

SIR,—If only a few ex-Service candidates could be elected on to the Pharmaceutical Society's Council, it would be of inestimable value to pharmacy. They have a wider, fuller knowledge of pharmacy in practice than one can ever gain in a lifetime in the cramped atmosphere of a civilian pharmacy, hospital or laboratory. Too many of our Council members are of the old school—a statement that is not meant unkindly, because the old-time pharmacists have done a wonderful job of work in raising pharmaceutical standards to their present high level. But now is the time for our younger men to come forward and carry the standard of the profession, especially under the National Health Service to ever greater heights.

Yours faithfully,
Chilwell. R. G. DAVIES-JOHNS.

Return of Empties

SIR,—In these days, with makers clamouring for returned bottles, and the railway companies refusing to take empties for "closed" stations, many pharmacies must look like second-hand shops. Most of the appeals to the public are half-hearted, so that it takes a long time to accumulate sufficient bottles to return gratuitously to the makers, except, in some instances, under the bribe of increased supplies. What are the defects in this appeal for empty bottles? First, it must be made worth while for the public to return the empties by offering either a new bottle of something in short supply, or a reasonable refund. Anything less than threepence is an insufficient inducement, and in most cases represents a

fair value. When all is said and done, the customer paid for the bottle in the first place, and if it is of value to the manufacturer, then the manufacturer must be prepared to pay. Incidentally it should not be forgotten that manufacturers are paying heavily for bottles returned through bottle exchanges, so the price should be at least equal for those returned direct. Secondly, the chemist should have everything done to ease the return of the bottles. He should not be expected to hold a copy of the consignment note for six months until a representative calls. Why cannot credit be issued at once? Already credits are issued for breakages. Most wholesalers have apparently too many bottles, for when we return surplus bottles accumulated over years they allow less than half their value and a quarter their own charges! Today we have received a letter from a firm manufacturing hair cream. "We want bottles . . . we will let you have two-thirds the quantity in full ones . . . we can't, therefore (why?), pay you one penny a bottle as before . . . please do not consign as empties, as this will delay . . . why not special messenger as the chemist pays the carriage and he will be able to take all the bottles we will collect under a scheme such as this?"

Yours faithfully,
GERIATRIX.

FIFTY YEARS AGO

Poisoning an Elephant

(From the C. & D., May 15, 1897)

A LARGE elephant escaped from Cross's menagerie at Liverpool a few days ago. . . . Mr. Cross, thinking it not advisable to try to bring it back, for fear it might do more damage . . . got Mr. J. Hocken, chemist, Old Hall Street, and his son to accompany him, and taking a large bottle of prussic acid and a package of aconitine, a quantity of buns, apples, and carrots, the party set out. The carrots which were given to the elephant, it ate with relish. One with the inside scraped out and the top left for a plug was then filled with aconitine, and passed to the beast, who swallowed it in an instant. "There," said Mr. Hocken, "he has swallowed enough poison to settle 2,000 people." It had no effect, however, on the elephant, which went on eating as before.

OVERSEAS TRADE NEWS

Penicillin for Budapest.—Budapest hospitals are to receive 2,000 million units of penicillin from Britain and 4,000 million units from the United States.

Dutch Chemical Project.—A new Dutch company, Stork-Chemie, N.V., are erecting plant for the production of chemical products previously imported into Holland. Part of the output of this plant will be for export.

South Africa Removes Price Controls.—Price control in South Africa was removed recently from cosmetics, perfumes and toilet preparations other than toilet soaps. Chemists' sundries, other than goods made of cotton or paper or both, have also been decontrolled.

Brazil Import Restrictions.—A further list of commodities has now been made subject to the "prior import licence" system. The list includes distillates or essences for the manufacture of perfumery, soaps, toothpastes and cosmetics.

Argentine Import Control.—The hydrogen peroxide industry has been declared as of national interest in the Argentine and the Commercial Minister has fixed the annual import quota at fifty tons. Quotas to importers of tooth-brushes, combs (excluding those made from tortoiseshell, metal or ivory), aniseed and peppermint essences are being discontinued.

Ceylon to Manufacture Industrial Chemicals.—A 2,500,000 rupee scheme for the establishment of a 2,000-ton sulphuric acid plant and for the production of 1,500 tons of caustic soda and 1,300 tons of chlorine a year has been approved by the Executive Committee of Labour, Industry and Commerce of the Ceylon State Council. The scheme was prepared by Dr. A. J. V. Underwood.

Penicillin to be Produced in Japan.—The research, manufacture and distribution of penicillin in Japan are to be under the supervision of the Japanese Welfare Ministry, with the co-operation of the Ministry of Education. Dr. Jackson W. Foster, penicillin consultant of General MacArthur's Public Health and Welfare Section has visited Japan to furnish the Japanese with the necessary technical knowledge for its mass production.

Sweden Bans Imports of Cosmetics.—In order to prevent a further reduction of

Sweden's reserve of foreign exchange, the Swedish Government has prohibited the importation of all "non-essential" goods. Included in a list of products which will no longer be imported or only in drastically-curtailed quantities are cosmetics. The Government announcement added that the import restrictions will be lifted as soon as the currency position has improved.

U.N.R.R.A. Shipments to Italy.—In January a total of 108 tons of pharmaceutical products was distributed to Italian manufacturers. The shipments included alcohol and acetone, corn syrup, opium and belladonna leaves. A number of fine chemicals were also in the deliveries, including eighty kilos of codeine salts, ninety kilos of papaverine and 100 kilos of theobromine. U.N.R.R.A. has placed an order through the Canadian Government for a penicillin plant for Italy.

Australia Seeks Imports from Japan.—Negotiations are in progress between the Australian Government and the Foreign Trade Division of General MacArthur's headquarters in Japan for the purchase of goods which are urgently required by Australia. Products which the Commonwealth wishes to buy include a wide range of chemicals, including soda ash, badly needed for the production of glassware and soap, caustic soda, naphthalene, arsenic and linseed. The Australian Government has no intention of buying luxury items from Japan and is limiting intended purchases to essentials.

South African Industry's Progress.—Despite difficulties, the Union's pharmaceutical industry is becoming less dependent on imported raw materials and plant. Since the beginning of the war both plant and raw materials have been produced in increasing quantities. According to the managing director of a large South African pharmaceutical concern, South Africans buy about £200,000 worth of analgesics every year, and about £143,000 worth of antiseptics. Each year people in the Union pay about £97,000 for cough remedies, and laxative sales probably reach a turnover of £200,000 a year. In 1939 approximately two-thirds of the Union's "patent" medicines were made from imported concentrates, whereas by 1942 more than half of the well-known brands were being made entirely from South African raw materials.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2. May 7

A SURVEY of the raw material supplies available to industry, published in the current "Board of Trade Journal" reaffirms that output of chemical products is severely restricted by the shortage of raw materials. The industry, in all its branches, not least in the production of PHARMACEUTICAL CHEMICALS, has been suffering from this shortage for some considerable time. Meanwhile demand for British products continues on a high level. During the past week a good inquiry was received from overseas buyers. No price changes have occurred and the general tone of the market has been steady.

Crude Drugs

The most outstanding feature of the markets this week has been the sharp decline in the quotations for MERCURY. It is understood that this has been brought about by competitive prices which have been forthcoming for Mexican metal. CRUDE DRUGS have, however, shown few other changes and the market has again been quiet. Quotations for Curaçao ALOES for shipment are somewhat lower but little interest is shown in this material. BALSAMS continue to be inactive; prices at origin for CANADA BALSAM are higher. CAMPHOR is receiving some attention and a fair business is passing in the powder; prices have eased slightly. Quotations from the other side for new-season's peel of CASCARA SAGRADA bark should give a landed value of about 240s. per cwt., duty paid. CASSIA PODS are selling at lower prices. ERGOT is a quiet market. Stocks of GALBANUM are low. GUM ACACIA is in fair demand and quotations are easier. Lower prices are asked for Brazilian MENTHOL; the Chinese material is unchanged. PIMENTO is fractionally easier. SENECA continues to be easy; it is understood that delivery of new-crop root will be delayed. The SEEDS are a quiet market. SHELLAC quotations have eased and the same applies to WAXES.

Essential and Expressed Oils

The market for ESSENTIAL OILS continues to be quiet. LAVANDIN is easier at 15s. per lb. and LEMONGRASS can be bought at 10s. per lb. English-distilled CLOVE is in good demand at unchanged prices. There have been no changes in the rates for EXPRESSED OILS.

U.S. Drug and Chemical Report

New York, May 2

GLYCERIN is showing a marked decline as a result of a decrease in oils and fats prices. A competitive situation exists in TARTRATES

with foreign material available at one to two cents below the domestic prices. FINE CHEMICALS derived from coal tar products are all in a firm position and seasonal items such as CITRIC ACID, CAMPHOR TABLETS and refined NAPHTHALENE are meeting with a good demand. The arrival of about 1,000 bags of crystalline naphthalene from Holland was reported during the week in the Press here. Although the market for certain high-priced drugs has been moving downwards in recent weeks and further declines are expected in line with a tendency to reduce commodity prices, the difficult import and domestic labour situations are expected to prevent a return to pre-war schedules.

Trading on the market here continues quiet and no increase in activity is expected before the new season starts in July. Over 3,000 bales of Russian LIQUORICE root are reported to have reached the U.S. during the past week. FISH-LIVER OILS have been reduced between one and two cents per lb. during the week. New lots of MENTHOL are expected to arrive from China during the next few weeks; trade in this material here is extremely quiet and sizeable stocks are available, at prices below the latest shipping schedules for both Chinese and Brazilian produce.

Although a reasonably good demand for ESSENTIAL OILS was noted on the part of extract and beverage manufacturers, producers of perfumes and toiletries were buying only to meet immediate requirements. Buyers of other lines were also displaying considerable caution in their activities. Large orders from foreign countries cannot be met because of inadequate supplies and financial difficulties.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	May 7
*Alexandria ...	Piastres to £	97½-97½
Amsterdam ...	Florins to £	10.68-10.70
*Bombay ...	Pence to rupees	1.5½-1.6½
Brussels ...	Francs to £	170½-170½
Copenhagen ...	Kroner to £	19.32-19.36
Dutch East Indies	Florins to £	10.68-10.70
Dutch West Indies	Florins to £	7.58-7.62
*Hong Kong ...	Pence to \$	1-2 1/2-1-3 1/2
Oslo ...	Kroner to £	19.98-20.02
Paris ...	Francs to £	479.7-480.3
Lisbon ...	Escudos to £	99.80-100.20
Montreal ...	Dollars to £	4.02½-4.03½
New York ...	Dollars to £	4.02½-4.03½
Rio de Janeiro ...	Cruz to £	75.44-16
*Singapore ...	Pence to \$	2-4 1/2-2-4 1/2
Stockholm ...	Kronor to £	14.47-14.50
Zurich ...	Francs to £	17.34-17.36

* Free market rates.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for 1-cwt. lots in kegs are 2s. 5d. per lb. for crystals and 2s. 6d. per lb. for powder.

ADRENALINE.—Quotations for natural are from 5s. 6d. to 6s. per gm., according to quantity; synthetic, from 2s. to 2s. 3d.

AMIDOPYRINE.—Quotations are firmly held at from 50s. to 60s. per lb., according to quantity.

BENZALDEHYDE.—Prices of B.P.C. quality are from 4s. 9d. to 5s. 6d. per lb., as to quantity.

BENZOCAINE.—Current rates per lb. are 0s. 9d. for 28-lb. lots and 41s. 3d. for 14-lb. lots, other quantities in proportion.

CALAMINE.—B.P.C. quality is quoted at 0s. 2d. per lb. for quantities of 1 cwt.

CALCIFEROL.—Quotations are from 11s. to 12s. per gm., according to quantity.

CREOSOTE.—B.P. quality, ex beechwood, is quoted from 7s. 6d. per lb. upwards.

CRESOL.—Controlled price of B.P. quality from distillers is 4s. 6d. per gall., ex sellers' remises.

HYDROQUINONE.—In bulk, 1-cwt., 8s. 4½d. per lb., 56-lb. 8s. 7d. Small quantities in 1-lb. containers (free). 10s. 6d. per lb.

ICHTHAMMOL.—B.P. material is quoted in bulk at 4s. 3d. per lb., 28-lb. tins are 0s. 9d.; 14-lb. 5s.; 1-lb., 5s. 10½d. per lb.

ISOPROPYL ALCOHOL.—B.P.C. quality is quoted at 13s. 9d. per gall.

LACTATES.—Makers' quotations per lb. are as follows: **CALCIUM**, 2s. 3d. to 2s. 9d.; **CALCIUM SODIUM**, 3s. 3d. to 3s. 9d.; **LACTIC ACID**, 3s. to 3s. 3d.

LACTOSE.—Quotations are from £120 per ton upwards, according to quantity.

PHENACETIN.—In limited supply. Small quantities would be worth 4s. 6d. per lb.

PHENAZONE.—In short supply. Quotations are from 20s. to 25s. per lb., as to quantity.

PHENOBARBITONE.—Quotations for the acid and the SOLUBLE salt are from 35s. to 39s. per lb., as to quantity.

PHENOLPHTHALEIN.—Current rates per lb. are: 1 cwt., 5s. 4d.; 28-lb., 5s. 6d.; 14-lb., 5s. 9d.; 7-lb., 6s.

PROCAINE HYDROCHLORIDE.—Current quotations are from 42s. 6d. to 45s. per lb.

PYROGALLOL.—Current rates are as follows: 1-cwt., 21s.; 56-lb., 21s. 6d.; 28-lb., 22s. 6d. per lb. Resublimed, 4s. per lb. above these rates. Prices are net.

SALICYLIC ACID.—Makers' prices per lb. for quantities of 28 lb. up to 1 cwt. (containers in brackets) are as follows: 2s. 8½d. (1-lb.); 2s. 7½d. (2-lb.); 2s. 7d. (4-lb.); 2s. 6d. (7-lb.); 2s. 5½d. (14-lb.); 2s. 4½d. (28-lb.). Net one mouth.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb.

Crude Drugs

ALOES.—Curaçao is steady at 240s. per cwt., spot; forward price is easier at 210s., c.i.f. Socotrine is quoted from 175s. to 190s. per cwt. for fair to good material; poorer grades are offered at as low as 150s. Cape, for shipment, is quoted at 190s., c.i.f.

ANISE (STAR).—Spot quotations are steady at 150s. per cwt., duty paid; forward, 100s., c.i.f.

BALSAMS.—*Canada* is quoted at 15s. per lb., spot; *Pará Copáiba* is quoted at from 8s. to 9s. per lb. *Peru* is at 7s. 6d. to 8s. per lb., duty paid. *Tolu* prices are from 18s. to 19s. per lb., spot.

BENZOIN.—Spot quotations for Sumatra are steady at from £17 10s. to £23 per cwt., according to quality.

BUCHU.—Short-rounds are at 4s. 1d. to 4s. 3d. per lb., spot; forward, 4s., c.i.f.

CALABAR BEANS.—Quotations are at 1s. 6d. to 1s. 7½d. per lb., ex warehouse Liverpool.

CALUMBA.—Steady. Spot quotations for washed root are from 80s. to 85s. per cwt. Natural root is offered at 55s. to 60s. per cwt.

CAMPHOR.—Chinese tablets (3-oz.), quoted at 11s. 6d. per lb., spot; refined powder (B.P.), 11s.; Formosa crude (B.B.), 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

CANTHARIDES.—Chinese is offered at 17s. 6d. per lb.

CAPSICUMS.—East African is steady at 120s. to 140s. per cwt., according to quality.

CARDAMOMS.—Steady. *Mangalore*, half-bleached, A's, are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb.; seeds, 7s. 9d., spot. *Aleppo* seeds, No. 1, are at 8s. per lb.; *Aleppo* greens, 7s. per lb., spot.

CASCARA SAGRADA.—Quiet. Quotations are at 270s. to 280s. per cwt., duty paid, according to holder. Quotations at origin for American new-crop material would be in the region of 240s. per cwt., landed, duty paid.

CASCARILLA.—Quills are offered at 1s. 11d. per lb.; siftings are quoted at 1s. 6d. spot

CASSIA PODS.—(*C. fistula*).—East Indian is easier at 80s. to 85s. per cwt., ex wharf.

CASTOREUM.—A fair inquiry has been received from the Continent. All material now available is for export only. Pile 1 is offered at 200s. per lb., pile 2 at 160s. and pile 3 at 120s.; pickings are quoted at 80s. per lb.

CHAULMOOGRA.—Quiet. *Hydnocarpus* is available at 2s. per lb., in tins or cases.

CHILLIES.—*Mombasa*, quoted at 170s. to 175s. per cwt., spot; *Nigerian*, 135s. to 140s.; *Japanese-type*, 190s. to 200s.

CINNAMON.—Quillings are quoted at 2s. 10d. per lb., spot; featherings, 2s.; chips, 1s. 3d.; chips sifted and washed, 1s. 4d. to 1s. 6d., according to quality.

CLOVES.—Zanzibar are quoted at 10d. per lb., spot. Penang are offered at 3s. to 3s. 6d. per lb.

COCHINEAL.—Silver-greys for the home trade, 4s. 6d. per lb., on the spot; blacks, very scarce, are quoted at 5s. 9d. per lb.

COLOCYNTH.—Steady. Fine-white is at 2s. 2d. and medium-white, 2s. per lb., spot.

DIGITALIS.—Portuguese is steady at 130s. per cwt., spot. English-grown, 2s. 6d. per lb.

ERGOT.—Steady. Quoted at 5s. 3d. per lb., spot; to arrive, 5s. c.i.f.

EUPHORBIUM.—Quoted at 80s. per cwt. on the spot.

GALANGAL.—Forward, 75s. per cwt., c.i.f.

GALBANUM.—A parcel is being offered at 8s. 6d. per lb., in bond.

GENTIAN.—French natural root is steady at 100s. per cwt.; cut, 130s., spot.

GINGER.—Jamaica No. 1 is quoted at 125s. per cwt.; No. 2, 110s.; No. 3, 102s. 6d. to 107s. 6d., spot. African is quoted at 72s. 6d., spot; forward, 62s. 6d., c.i.f.

GUAIACUM RESIN.—Lump is quoted at 3s. 6d. per lb., duty paid, ex warehouse.

GUM ACACIA.—Kordofan cleaned sorts is easier at 75s. per cwt., spot, London or Manchester; shipment quotations are lower at 68s. 6d., c.i.f. Bleached No. 1 is steady at 145s., ex store. Spot quotations for cleaned Talha continue at 43s. per cwt., but forward values are higher at 38s. 6d., c.i.f.

GUM MASTIC.—No. 1 is quoted at 16s. 6d. per lb., duty paid.

HENBANE.—Indian leaf is quoted at 250s. per cwt., spot.

HENNA.—Indian leaves would be worth 1s. 5d. per lb., landed.

HYDRASTIS.—Spot quotation is at 60s. per lb.; forward, 55s., c.i.f.

IPECACUANHA.—Nicaraguan root is quoted from 29s. to 30s. per lb. for spot; shipment is at 25s. 6d., c.i.f.

IRISH MOSS.—French material, finest-quality bleached, is quoted at 120s. per cwt.; No. 1 is at 105s.; No. 2, 95s. per cwt.

JUNIPER.—Italian berries, quoted from 56s. to 65s. per cwt., according to quality.

KAMALA.—Material with a test of 6 per cent. ash is available at 3s. per lb., spot.

KARAYA.—No. 1 gum is quoted at 215s. to 220s. per cwt., spot; No. 2, 170s.

KOLA NUTS.—Steady. African quarters are quoted at 7½d. per lb.; African halves, 5d. to 6d., according to quality; Jamaican washed halves, 5½d. per lb.

LANOLIN.—Current quotations for B.P. quality are in the region of £105 per ton for the ANHYDROUS and £101 for the HYDROUS material, delivered to buyers' premises.

LIQUORICE ROOT.—Quiet. Anatolian whole root is steady at 60s. per cwt., spot.

LOBELIA.—In limited supply. Spot quotations are at 6s. per lb.

MACE.—West Indian pale is quoted at 7s. 6d. to 8s. per lb., spot; pickings, from 5s. 3d. to 5s. 9d. per lb., according to quality.

MENTHOL.—Brazil is easier at 48s. to 49s. per lb., duty paid, according to holder; forward, 41s. 6d., c.i.f. Chinese is steady at 52s. 6d. to 54s. 6d., duty paid; forward quotations are at 48s. 6d., c.i.f.

MERCURY.—Easier. Spot quotations are down to £17 5s. per flask, ex warehouse; shipment value is at £16 12s. 6d., c.i.f.

MYRRH.—Aden sorts is quoted at £14 to £15 10s. per cwt., according to quality; siftings, £8 to £10 per cwt.

NUTMEGS.—West Indian 80's are quoted at 4s. 6d. per lb., spot; 110's are available at 3s. 9d.; sound unassorted 3s. 7d.; wormy and broken, 3s. 4d.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt.; Mangalore, 40s.; Cochin, 42s. 6d. to 45s., spot, according to seller.

OLIBANUM.—Fair to good drop is quoted from 200s. to 240s. per cwt.; good garblings, 180s.; seeds, 175s.; siftings, 110s.

ORANGE PEEL.—Spanish quarters, steady at 1s. 6d. per lb., spot; sweet ribbon, 1s. 9d. per lb. Bitter ribbon is quoted at 1s. 3d. per lb., spot Liverpool.

ORRIS.—Steady. Florentine is quoted at 150s. to 160s. per cwt.

PEPPER.—Indian black, whole, 2s. to 2s. 2d. per lb., spot; ground, 2s. 2d. to 2s. 4d. White, whole, unquoted; ground, 3s. 7d. to 3s. 9d., spot.

PIMENTO.—Spot quotations are fractionally easier at 1s. 1½d. per lb.

QUILLAIA.—Natural bark, quoted at 130s. per cwt.; cut, for future delivery, 150s., ex store.

RHATANY.—Steady. Spot quotations are unchanged at 11d. per lb.

RHUBARB.—Chinese rough round, with a fair fracture, 7s. 9d. to 9s. per lb., according to quality and holder. French rhabontica is quoted at 2s. per lb., spot.

SANDARAC.—Easier. Quotations are at 6s. to 6s. 3d. per lb., ex store London.

SARSAPARILLA.—Jamaica, native red is quoted at 2s. 3d. to 2s. 4d. per lb.

SEEDS.—As a result of a quiet market several seeds have been quoted at lower prices. **ANISE.**—Cyprus offered at 2s. 3d. per lb., spot, London or Liverpool. **CARAWAY.**—Dutch quoted at 1s. 5d. per lb., duty paid, spot, London. **CELERI.**—Indian, nominal, 1s. 5½d. to 1s. 6d. per lb., spot, London or Liverpool. **CORIANDER.**—Spot, Morocco, is 57s. 6d. per cwt., duty paid, ex wharf London; Italian is 57s. 6d. per cwt., duty paid, ex wharf London. Argentine is offered at 55s. per cwt., duty paid, ex store Liverpool, but no business is reported at this figure. English is quoted 75s. to 80s. per cwt. **CUMIN.**—Spot, Morocco, 240s. per cwt., duty paid in London; Indian, 235s. per cwt., ex wharf Hull or Liverpool; Cyprus, 240s. per cwt., ex wharf London.

DILL.—Indian, 45s. per cwt., spot, London

r Liverpool. **FENNEL**.—Indian, 100s. to 10s. per cwt., ex wharf Liverpool. **FENREEK**.—Indian, quoted at 50s. per cwt., ex wharf London and 47s. 6d. per cwt., spot, Liverpool. New crop Morocco for June-July shipment now quoted at 51s. 6d. per wt., c.i.f.

SENEGA.—Quoted at 13s. to 13s. 6d. per lb., spot. Reports state that deliveries of new-crop will be about a month later than usual.

SENNNA.—Tinnevelly leaves, spot, No. 1, s. 2d.; No. 2, 10½d.; No. 3, 10d.; No. 4, 3½d. Tinnevelly pods, hand-picked, 10½d. to 1s. 4d.; manufacturing, 6d. to 6½d. Alexandrian pods, hand-picked, spot, from 3s. 3d. to 4s. 9d., according to quality; medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb.

HELLAC.—Spot quotations ex warehouse London are as follows: F.O.T.N., pure, easier at 320s. per cwt.; F.O. standard, No. 1, 340s.; F.O. lemon, No. 1, 370s.; F.O. lemon, No. 2, 360s.; A.C. garnet, 370s.; buttonlac, 370s. per cwt.

SQUILL.—Quiet. Italian is quoted at 70s. per cwt., spot.

STRAMONIUM.—Indian leaf is quoted at 35s. per cwt., on the spot.

STROPHANTHUS.—Quiet. Kombé seed, 100 per cent., quoted at 10s. per lb.

STYRAX.—Small quantities are available at 5s. per lb., duty paid.

TONKA BEANS.—Frosted Pará is at 5s., spot.

TRAGACANTH.—Steady. Selected grades are quoted at £155 per cwt. Other grades are as follows: No. 1 white, £145 per cwt. No. 2 white, £125; No. 3 white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £45; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15 per cwt.

TURMERIC.—Madras finger is quoted at from 105s. to 110s. per cwt., spot.

VALERIAN.—Belgian root is at 190s. to 220s. per cwt., according to holder.

WAXES.—Dar-es-Salaam BEES' is quoted at 362s. 6d. per cwt. on the spot; shipment is easier at 350s., c.i.f. Lindi is steady at 360s. per cwt., spot; shipment quotations are lower at 347s. 6d., c.i.f. **CANDELILLA**.—Easier at 450s. per cwt., spot; forward quotation, 442s. 6d., c.i.f. **CARNAUBA**.—Lower quotations are forthcoming. Fatty grey is offered at 850s. per cwt., spot; material afloat is quoted at 800s., c.i.f., and May-June shipment is at 700s., c.i.f. Prime yellow is easier at 1,120s. per cwt., spot; afloat, 950s., c.i.f.; shipment, 880s., c.i.f.

MONTAN.—Reibbeck is quoted at 400s. per cwt., spot; Czechoslovak crude is steady at 330s., spot. **OURICURI**.—2 per cent. is firmer at 520s. per cwt., spot; shipment is at 500s., c.i.f.; 9 per cent. is at 480s. per cwt., spot; 5 per cent., shipment, is quoted at 440s., c.i.f.

Essential and Expressed Oils

ALMOND.—B.P. sweet is steady at 8s. to 9s. per lb., according to quantity.

BAY.—West Indian is steady at 7s. 6d. to 9s. per lb., spot.

CADE.—Spot, 5s. per lb., nominal.

CANANGA.—Scarce. Nominal quotation 45s. to 50s. per lb.

CASSIA.—Spot quotations are from 16s. 6d. to 20s. per lb., as to quantity.

CASTOR.—Controlled prices are unchanged. Firsts, £180 per ton; Seconds, £176, naked ex works.

CINNAMON LEAF.—Quotations are at from 13s. to 15s. per lb., according to quantity.

CITRONELLA.—Ceylon is quoted at prices from 8s. 6d. to 11s. 6d. per lb., spot.

CLOVE.—English-distilled from buds is quoted at 11s. to 12s. per lb., according to quantity.

CORIANDER.—English-distilled oil is available at 250s. per lb.

FENNEL.—Sweet oil is steady at 25s. per lb., on the spot.

GERANIUM.—Bourbon, 75s. to 82s. 6d. per lb., according to quantity.

GINGER.—Firm. Quoted at 75s. to 125s. per lb., according to quality and seller.

GUAIACWOOD.—Quoted at 18s. to 19s. per lb., spot, according to quantity.

LAVENDER.—French (38 to 40 per cent. esters) is steady at 55s. to 60s. per lb. Spanish (spike) is quoted at 13s. to 14s. per lb., spot.

LAVANDIN.—Quotations are from 15s. to 18s. per lb., according to quantity.

LEMONGRASS.—Cochin is quoted at from 10s. to 12s. per lb., spot.

LIME.—West-Indian distilled oil is quoted at 35s. to 40s. per lb., spot.

LINSEED.—Controlled price of crude is £200 per ton, naked ex works.

NEROLI.—Spot is quoted at 120s. per oz.

NUTMEG.—Scarce. English-distilled oil quoted at 77s. 6d. to 80s. per lb.

OLIVE.—Controlled price of edible, 1 per cent., is unchanged at 47s. 9d. per gall. of 9 lb., ex store London, in 45-50 gall. drums.

ORIGANUM.—Quoted at 18s. 6d. to 19s. 6d. per lb., spot.

PALMAROSA.—Spot, 37s. 6d. to 40s. per lb., according to quantity; forward quotations are easier.

PATCHOULI.—Seychelles, spot quoted at 140s.; to come forward, 80s. per lb. Singapore, spot, 205s.

PIMENTO BERRY.—English-distilled oil is quoted at 78s. to 85s. per lb., according to seller.

RAPESEED.—Controlled price of crude oil is £190 per ton, naked ex works.

YLANG YLANG.—Scarce. Quotations are in the region of 100s. per lb.

TRADE MARKS

(From "The Trade Marks Journal," April 16)
 "LEWTEX"; for insecticides (5). By Hortex Products, Ash Mill, Westbourne Street, High Wycombe, Bucks. 646,836.

Device symbolic of sight; for spectacle frames made of metal and of plastics, optical and ophthalmic lenses made of glass and of plastics, optical and spectacle cases and containers, optical instruments, optical testing apparatus and photographic apparatus (9). By Barker Optical Instrument Co., Ltd., 23 Market Place, Wednesbury. 645,286.

"KEMELEC"; for electric medical apparatus (10). By Stanley Rupert Hunt, 278 Avery Hill Road, Eltham, London, S.E.9. 645,925.

APPLICATIONS AMENDED AFTER ADVERTISEMENT.

Specification No. 639,785 by General Aniline and Film Corporation should be altered so as to read "Photographic and cinematographic apparatus, instruments and fittings and parts thereof (not included in other classes) and lenses."

Specification No. 640,748 by Société des Usines Chimiques Rhône-Poulenc should be altered so as to read "Pharmaceutical preparations for use in the treatment of malaria."

(From "The Trade Marks Journal," April 23)

"TEMPILAQ"; for chemical compounds in liquid form; "TEMPILSTIK"; for chemical compounds in the form of crayons; and "TEMPIL"; for chemical compounds in solid form, all for use in indicating temperatures (1). By Tempil Corporation, 132 West 22nd Street, New York, 11, U.S.A. 643,928.

"KANOFAN"; for gum acacia for use in manufacture (1). By John Menguissoglou, Ltd., 40 Manchester Road, Kano, Nigeria. 646,513.

"CHICKALISER"; for fertilisers (1). By Farrar Fertilisers, Ltd., Kenarlington, Kent. 646,524.

"COQUE D'OR" and "KADINE"; for toilet preparations (not medicated), cosmetic preparations, perfumes, perfumed soap and preparations for the teeth and hair (3). By Guerlain, Ltd., Corner of Aintree Road and Frazer Road, Perivale, Middlesex. 643,382-89.

"QUIZ"; for preparations for the hair, and sachets for use in waving the hair (3). By Quiz Reagents, 160 High Street, Teddington, Middlesex. 644,277.

"IRONIE"; for toilet preparations (not medicated), perfumes and perfumed soap (3). By Laboratoires de la Jeunesse, 8 rue de Berri, Paris (8-eme), France. 644,567.

"JEMONA"; for all goods (3). By J. E. Monaghan, 295 Balham High Road, London, S.W.17. 644,703 (Associated).

"AMIROL"; for toilet preparations (not medicated), cosmetic preparations and preparations for the hair (3). By Amirol Incorporated, 375 Fairfield Avenue, Stamford, Connecticut, U.S.A. B645,556.

"DRELL"; for perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other Classes), sachets for use in waving the hair, soaps, and essential oils. By Thomas Hedley & Co., Ltd., Phoenix Buildings, Collingwood Street, Newcastle-on-Tyne. 646,021.

"KEEPASKA"; for perfumes, cosmetic preparations, toilet preparations (not medicated) and perfumed soap (3). By B. Schmelz, 194-95 Upper Street, Islington, London, N.1. 646,522.

"GLENAGENA"; for detergents in liquid form (3). By New Hygiene, Ltd., 150 Southampton Row, London, W.C.1. 646,737.

"BEROCCA"; for pharmaceutical substances for human and veterinary use; and infant's and invalid's foods (5). By Roche Products, Ltd., 40 Broadwater Road, Welwyn Garden City, Herts. 642,374.

"JEMONA"; for all goods (5). By J. E. Monaghan, 295 Balham High Road, London, S.W.17. 644,704 (Associated).

"VYBROSE"; for pharmaceutical preparations and substances for internal human use (5). By Boots Pure Drug Co., Ltd., Station Street, Nottingham. 645,542.

"BEMASAN"; for pharmaceutical preparations and substances (5). By Cuxson, Gerrard & Co., Ltd., 26 Fountain Lane, Oldbury, Worcs. 646,165 (Associated).

"DI-MEPOOL"; for insect-repelling preparations and insecticides (5). By Christie, George & Co., Century House, Manchester Road East, Little Hulton, Lancaster. 646,507.

"AEROGENA"; for disinfectants in liquid form (5). By New Hygiene, Ltd., 150 Southampton Row, London, W.C.1. 646,738.

"PINAGENA"; for disinfectants containing pine oil (5). By New Hygiene, Ltd., 150 Southampton Row, London, W.C.1. 646,739.

(From "The Trade Marks Journal," April 30)

"GRY-MOFF"; for polishing preparations and soap (3). By The Gry-Moff Co., Ltd., Union Works, Union Lane and Westcroft Street, Droitwich. 639,157 (Associated).

Monogram "DQ"; for cosmetic boxes (3). By Dennison Watch Case Co., Ltd., 28 Villa Road, Handsworth, Birmingham, 19. B644,160 (Associated).

COMING EVENTS

Monday, May 12

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Bradford Hotel, Tithebarn Street, Liverpool, at 7.30 p.m. Dr. D. L. Charters, Birkenhead, on "My Experiences in a German Prisoner-of-war Camp."

Wednesday, May 14

CAMBRIDGE BRANCH, NATIONAL PHARMACEUTICAL UNION, Lion Hotel, Petty Cury, Cambridge, at 7.45 p.m. Annual meeting. Mr. R. H. Kemp, Ph.C. (local organisation officer, N.P.U.), on "What is Round the Corner?"

Thursday, May 15

MANCHESTER BRANCH, NATIONAL PHARMACEUTICAL UNION, Council Chamber, Houldsworth Hall, Manchester, at 7.45 p.m. Annual meeting. Mr. H. Steinman, M.P.S., on "The National Health Service and Pharmacy."

SHEFFIELD SECTION, CHEMICAL SOCIETY, Chemistry Lecture Theatre, Sheffield University, at 5.30 p.m. Professor J. B. Speakman, D.Sc., F.R.I.C., on "Some Relationships between the Structure and Properties of Natural and Synthetic Fibres."



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 { Large size: trade 28/- doz., retail 3/6 inc. tax

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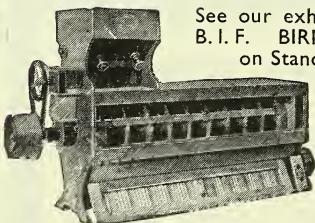
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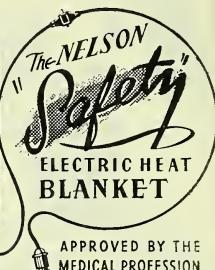
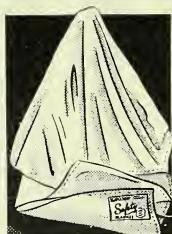
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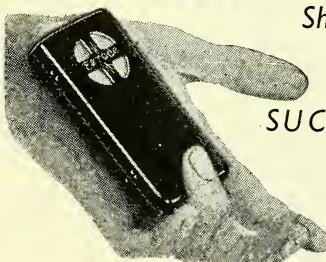
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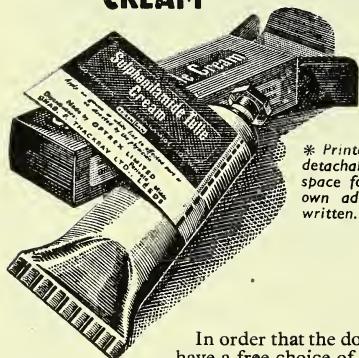
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SULPHANILAMIDE TULLE Cream can be used as an ointment, or applied on a sterile spatula direct to a diseased or injured area, or spread on gauze, linen or oiled silk. The formula is the same as that used for the emulsion in Sulphanilamide Tulle which—available only on prescription—has had continued success during the past years due to its acceptance and appreciation by doctors as a product based on the latest scientific knowledge.

SULPHANILAMIDE TULLE Cream is indicated in the treatment of burns and scalds as primary dressing to prevent infection. It is also successful in the treatment of septic skin lesions of indolent ulcers, and for burns and scalds when infection has already occurred. The dressing when used in combination with SULPHANILAMIDE TULLE Cream need only be changed infrequently and healing proceeds rapidly without disturbance of new epithelial cells.

SULPHANILAMIDE TULLE Cream is sold in tubes and is thus maintained sterile and ready for use. The sterility and composition of each batch is controlled by bacteriological and chemical examination.

Composition—SULPHANILAMIDE TULLE Cream contains 10% w/w Sulphanilamide in Paraffin-Lanolin-Water emulsion.

½ oz. tubes 15/- per dozen. 1lb. jars 15/- each.

Medical Discount 10%

Retail Chemists' Discount 33½%

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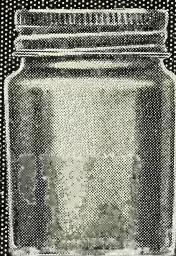
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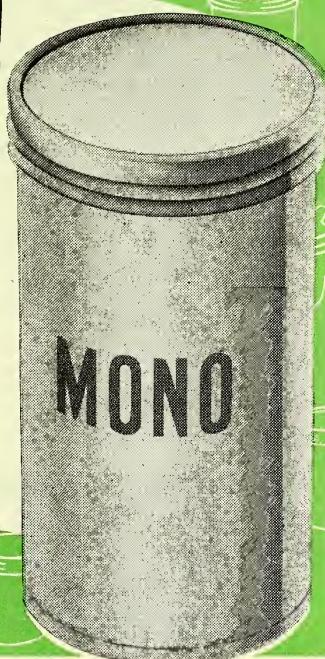
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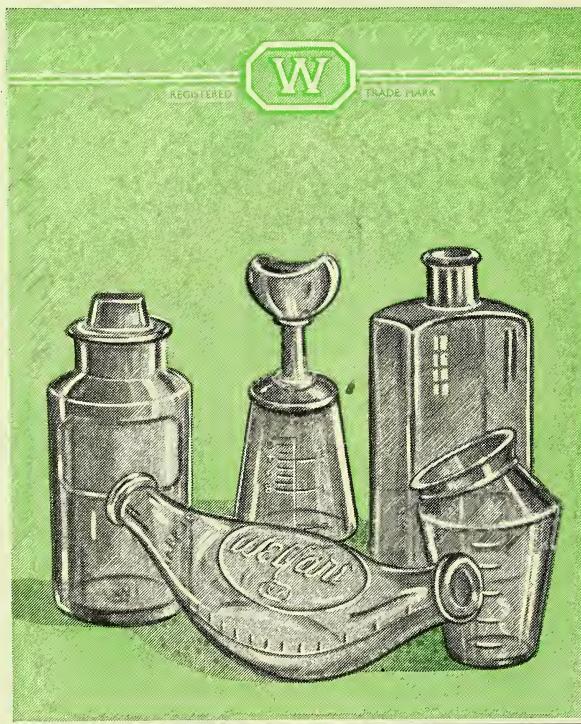
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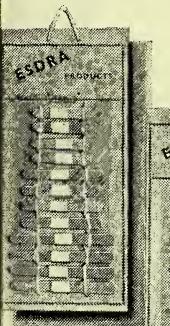
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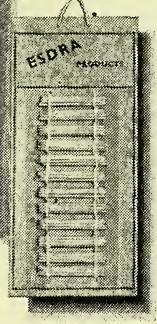
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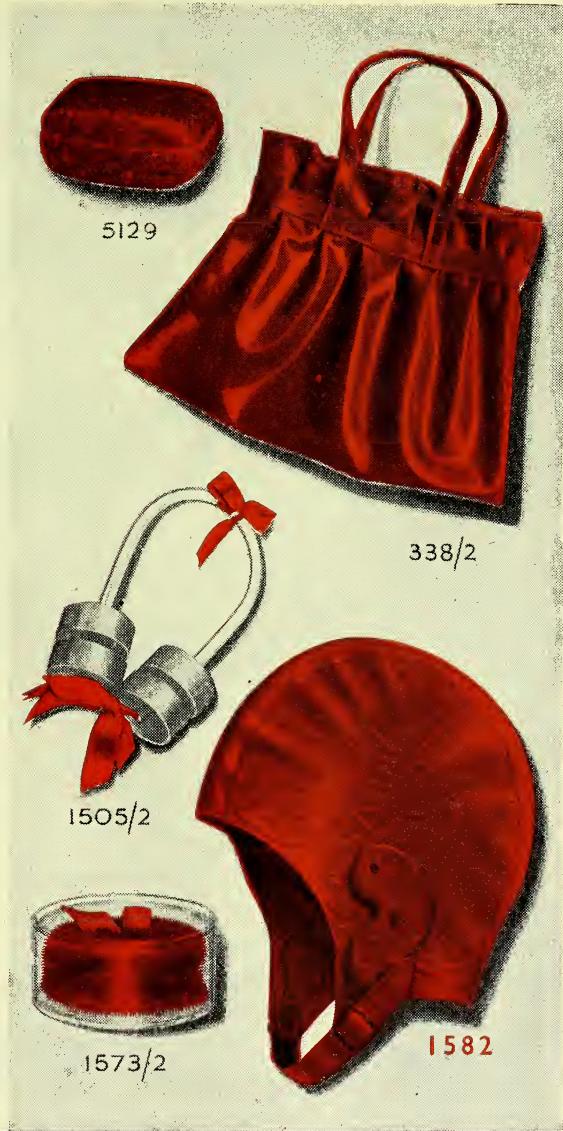
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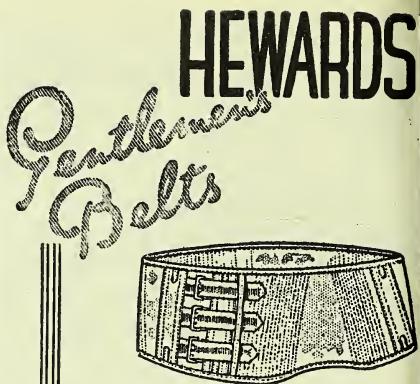
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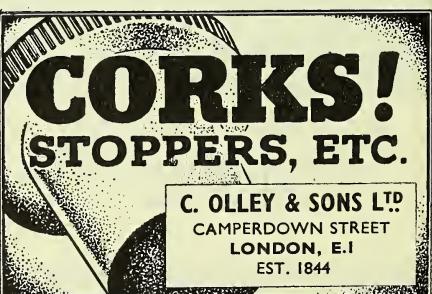
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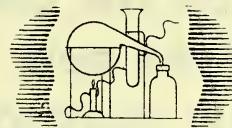
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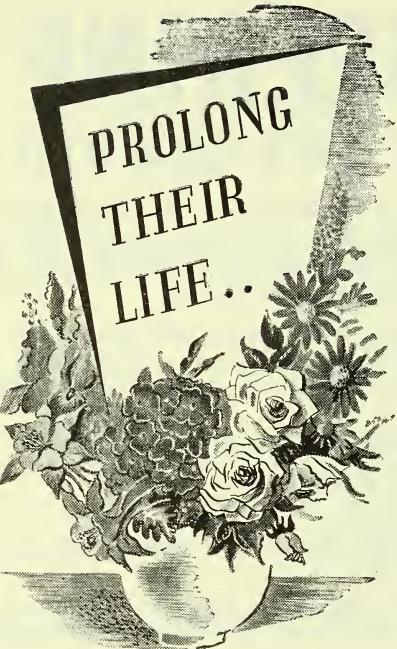
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PRODUCT	PACK	EX-WHOLESALER PRICE		RETAIL SELLING PRICE
		I CASE LOTS UPWARDS	RATE FOR LESS THAN I CASE LOTS	
M.O.F.	24 1-lb. tins per case	36/9 PER CASE	18/7½ PER DOZEN	2/0 PER 1-lb. tin
INGLIS FOOD	24 1-lb. tins per case	36/9 PER CASE	18/7½ PER DOZEN	2/0 PER 1-lb. tin

M.O.F.

(Midlothian Oat Food)

The Fortified Infant Cereal Food—normally started at 4-5 months as an introduction to mixed feeding and can be continued successfully through the toddler stage up to 5 years of age.

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